



# VIDEO SURVEILLANCE PRODUCTS Quick Reference Guide



| Category                      | HD Analog Cameras                                                                                                                                                                    |                                                                                                                                                                                      |                                                                                                           |                                                                                                             | Network (IP) Cameras                                                                                                                                                 |                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                            |                                                                                                               |  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|
|                               | Vandal                                                                                                                                                                               |                                                                                                                                                                                      | Turret                                                                                                    | Bullet                                                                                                      | Vandal                                                                                                                                                               |                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                                                                                                      | Low Profile                                                                                                  | Turret                                                                                                       | Fisheye                                                                                                      | Bullet                                                                                                     |                                                                                                               |  |
| Model Numbers                 | <br><b><u>HDV228 / HDV228B</u></b>                                                                  | <br><b><u>HDV2212M / HDV2212MB</u></b>                                                              | <br><b><u>HDT228</u></b> | <br><b><u>HDB2212M</u></b> | <br><b><u>NV229</u></b>                                                           | <br><b><u>NVW229 / NVW229B / NVW237</u></b>                                                       | <br><b><u>NVW2212M / NVW2212MB</u></b>                                                            | <br><b><u>NVW4212M / NVW4212MB</u></b>                                                            | <br><b><u>NLPW229</u></b> | <br><b><u>NT3212M</u></b> | <br><b><u>NFE5360</u></b> | <br><b><u>NB237</u></b> | <br><b><u>NBW4212M</u></b> |  |
| Description                   | 2MP FL Vandal                                                                                                                                                                        | 2MP VFL Vandal                                                                                                                                                                       | 2MP FL Turret                                                                                             | 2MP VFL Bullet                                                                                              | 2MP FL Vandal                                                                                                                                                        | 2MP FL Vandal                                                                                                                                                                        | 2MP VFL Vandal                                                                                                                                                                       | 4MP VFL Vandal                                                                                                                                                                       | 2MP FL Low Profile                                                                                           | 3MP VFL Turret                                                                                               | 5MP Panoramic 360° Indoor Fisheye                                                                            | 2MP FL Bullet                                                                                              | 4MP VFL Bullet                                                                                                |  |
| Resolution                    | 1920 x 1080                                                                                                                                                                          | 1920 x 1080                                                                                                                                                                          | 1920 x 1080                                                                                               | 1920 x 1080                                                                                                 | 1920 x 1080                                                                                                                                                          | 1920 x 1080                                                                                                                                                                          | 1920 x 1080                                                                                                                                                                          | 2592 x 1520                                                                                                                                                                          | 1920 x 1080                                                                                                  | 2048 x 1536                                                                                                  | 2592 x 1944                                                                                                  | 1920 x 1080                                                                                                | 2592 x 1520                                                                                                   |  |
| FPS @ Max. Resolution         | 20fps                                                                                                                                                                                | 30fps                                                                                                                                                                                | 30fps                                                                                                     | 30fps                                                                                                       | 30fps                                                                                                                                                                | 30fps                                                                                                                                                                                | 30fps                                                                                                                                                                                | 30fps                                                                                                                                                                                | 30fps                                                                                                        | 30fps                                                                                                        | 15fps                                                                                                        | 30fps                                                                                                      | 30fps                                                                                                         |  |
| Lens                          | Fixed 2.8mm / 3.6mm                                                                                                                                                                  | Motorized 2.8 ~ 12mm VF                                                                                                                                                              | Fixed 2.8mm                                                                                               | Motorized 2.8 ~ 12mm VF                                                                                     | Fixed 2.9mm / 3.7mm                                                                                                                                                  | Fixed 2.9mm / 3.7mm                                                                                                                                                                  | Motorized 2.8 ~ 12mm VF                                                                                                                                                              | Motorized 2.8 ~ 12mm VF                                                                                                                                                              | Fixed 2.9mm / 3.7mm                                                                                          | Motorized 2.8 ~ 12mm VF                                                                                      | Fixed 1.05mm Panoramic                                                                                       | Fixed 3.7mm                                                                                                | Motorized 2.8 ~ 12mm VF                                                                                       |  |
| Image Sensor                  | 1/2.9" Prog Scan CMOS                                                                                                                                                                | 1/2.9" Prog Scan CMOS                                                                                                                                                                | 1/2.9" Prog Scan CMOS                                                                                     | 1/2.9" Prog Scan CMOS                                                                                       | 1/2.9" Prog Scan CMOS                                                                                                                                                | 1/2.8" Prog Scan CMOS                                                                                                                                                                | 1/3" Prog Scan CMOS                                                                                                                                                                  | 1/3" Prog Scan CMOS                                                                                                                                                                  | 1/2.8" Prog Scan CMOS                                                                                        | 1/2.8" Prog Scan CMOS                                                                                        | 1/1.8" Prog Scan CMOS                                                                                        | 1/2.9" Prog Scan CMOS                                                                                      | 1/3" Prog Scan CMOS                                                                                           |  |
| IR LED Range                  | 82ft (25M)                                                                                                                                                                           | 82ft (25M)                                                                                                                                                                           | 65ft (20M)                                                                                                | 131ft (40M)                                                                                                 | 82ft (25M)                                                                                                                                                           | 82ft (25M)                                                                                                                                                                           | 82ft (25M)                                                                                                                                                                           | 82ft (25M)                                                                                                                                                                           | 49ft (15M)                                                                                                   | 82ft (25M)                                                                                                   | -                                                                                                            | 82ft (25M)                                                                                                 | 131ft (40M)                                                                                                   |  |
| Min. Scene Illumination (Lux) | 1.0 (Col); 0 (BW, w/ IR)                                                                                                                                                             | 1.0 (Col); 0 (BW, w/ IR)                                                                                                                                                             | 1.0 (Col); 0 (BW, w/ IR)                                                                                  | 1.0 (Col); 0 (BW, w/ IR)                                                                                    | 0.3 (Col); 0 (BW, w/ IR)                                                                                                                                             | 0.08 (Col); 0 (BW, w/ IR)                                                                                                                                                            | 0.1 (Col); 0 (BW, w/ IR)                                                                                                                                                             | 0.1 (Col); 0 (BW, w/ IR)                                                                                                                                                             | 0.1 (Col); 0 (BW, w/ IR)                                                                                     | 0.1 (Col); 0 (BW, w/ IR)                                                                                     | 0.03 (Col); 0.07 (BW)                                                                                        | 0.2 (Col); 0 (BW, w/ IR)                                                                                   | 0.1 (Col); 0 (BW, w/ IR)                                                                                      |  |
| WDR                           | Digital                                                                                                                                                                              | Digital                                                                                                                                                                              | Digital                                                                                                   | Digital                                                                                                     | Digital                                                                                                                                                              | 120dB                                                                                                                                                                                | 120dB                                                                                                                                                                                | 120dB                                                                                                                                                                                | 120dB                                                                                                        | Digital                                                                                                      | Digital                                                                                                      | Digital                                                                                                    | 120dB                                                                                                         |  |
| Day/Night                     | TRUE                                                                                                                                                                                 | TRUE                                                                                                                                                                                 | TRUE                                                                                                      | TRUE                                                                                                        | TRUE                                                                                                                                                                 | TRUE                                                                                                                                                                                 | TRUE                                                                                                                                                                                 | TRUE                                                                                                                                                                                 | TRUE                                                                                                         | TRUE                                                                                                         | TRUE                                                                                                         | TRUE                                                                                                       | TRUE                                                                                                          |  |
| Video Compression             | -                                                                                                                                                                                    | -                                                                                                                                                                                    | -                                                                                                         | -                                                                                                           | H.264                                                                                                                                                                | H.265                                                                                                                                                                                | H.265                                                                                                                                                                                | H.265                                                                                                                                                                                | H.264                                                                                                        | H.264                                                                                                        | H.264                                                                                                        | H.264                                                                                                      | H.265                                                                                                         |  |
| Multi-streaming               | -                                                                                                                                                                                    | -                                                                                                                                                                                    | -                                                                                                         | -                                                                                                           | 4                                                                                                                                                                    | 4                                                                                                                                                                                    | 4                                                                                                                                                                                    | 4                                                                                                                                                                                    | 3                                                                                                            | 3                                                                                                            | 3                                                                                                            | 4                                                                                                          | 4                                                                                                             |  |
| Onboard Storage               | -                                                                                                                                                                                    | -                                                                                                                                                                                    | -                                                                                                         | -                                                                                                           | Micro-SD Slot                                                                                                                                                        | Micro-SD Slot                                                                                                                                                                        | Micro-SD Slot                                                                                                                                                                        | Micro-SD Slot                                                                                                                                                                        | Micro-SD Slot                                                                                                | Micro-SD Slot                                                                                                | Micro-SD Slot                                                                                                | Micro-SD Slot                                                                                              | Micro-SD Slot                                                                                                 |  |
| Alarm (I / O)                 | -                                                                                                                                                                                    | -                                                                                                                                                                                    | -                                                                                                         | -                                                                                                           | 1 / 1                                                                                                                                                                | 1 / 1                                                                                                                                                                                | 1 / 1                                                                                                                                                                                | 1 / 1                                                                                                                                                                                | -                                                                                                            | 1 / 1                                                                                                        | 1 / 1                                                                                                        | 1 / 1                                                                                                      | 1 / 1                                                                                                         |  |
| Audio (I / O)                 | -                                                                                                                                                                                    | -                                                                                                                                                                                    | -                                                                                                         | -                                                                                                           | 1 / 1                                                                                                                                                                | 1 / 1                                                                                                                                                                                | 1 / 1                                                                                                                                                                                | 1 / 1                                                                                                                                                                                | 1 / 1                                                                                                        | 1 / 1                                                                                                        | 1 / 1                                                                                                        | 1 / 1                                                                                                      | 1 / 1                                                                                                         |  |
| Additional Features           | AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; Defog; BLC, VMD, Privacy                                                                                                                   | TVI, AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; Defog; BLC, VMD, Privacy                                                                                                              | TVI, AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; BLC, VMD, Privacy                                          | TVI, AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; Defog; BLC, VMD, Privacy                                     | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                                                                                   | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                                                                                                   | ONVIF, 3D-DNR, Defog, Privacy, VMD, Video Analytics                                                                                                                                  | ONVIF, 3D-DNR, Defog, Privacy, VMD, Video Analytics                                                                                                                                  | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                           | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                           | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                           | ONVIF, Corridor, 3D-DNR, BLC, Defog, Privacy, VMD, Video Analytics                                         | ONVIF, 3D-DNR, Defog, Privacy, VMD, Video Analytics                                                           |  |
| Accessories                   | HDB243X (B) Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 (B) Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 (B) Junction Box;<br>HDB453 (B) Pendant Mt;<br>HCM160 Corner Mt | HDB243X (B) Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 (B) Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 (B) Junction Box;<br>HDB453 (B) Pendant Mt;<br>HCM160 Corner Mt | HDB344 Wall Mt;<br>HJB400 Junction Box;<br>HCM160 Corner Mt                                               | HJB200 Junction Box;<br>HCM160 Corner Mt                                                                    | HDB243X Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 Junction Box;<br>HDB453 Pendant Mt;<br>HCM160 Corner Mt | HDB243X (B) Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 (B) Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 (B) Junction Box;<br>HDB453 (B) Pendant Mt;<br>HCM160 Corner Mt | HDB243X (B) Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 (B) Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 (B) Junction Box;<br>HDB453 (B) Pendant Mt;<br>HCM160 Corner Mt | HDB243X (B) Wall Mt;<br>HDB454 Wall Mt;<br>HPDA3 (B) Pendant Cap;<br>HDA401 Wedge Mt;<br>HCS254V Flush Mt;<br>HDA502 (B) Junction Box;<br>HDB453 (B) Pendant Mt;<br>HCM160 Corner Mt | -                                                                                                            | HDB243X Wall Mt;<br>HDA502 Junction Box;<br>HDB453 Pendant Mt                                                | HDB344 Wall Mt                                                                                               | HJB200 Junction Box;<br>HCM160 Corner Mt                                                                   | HJB400 Junction Box;<br>HCM160 Corner Mt;<br>HJB200 Junction Box                                              |  |
| User Instruction Manual       | <a href="#">Manual Link</a>                                                                                                                                                          | <a href="#">Manual Link</a>                                                                                                                                                          | <a href="#">Manual Link</a>                                                                               | <a href="#">Manual Link</a>                                                                                 | <a href="#">Manual Link</a>                                                                                                                                          | <a href="#">Manual Link</a>                                                                                                                                                          | <a href="#">Manual Link</a>                                                                                                                                                          | <a href="#">Manual Link</a>                                                                                                                                                          | <a href="#">Manual Link</a>                                                                                  | <a href="#">Manual Link</a>                                                                                  | <a href="#">Manual Link</a>                                                                                  | <a href="#">Manual Link</a>                                                                                | <a href="#">Manual Link</a>                                                                                   |  |
| Operating Temp Range          | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                              | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                                                                                         | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                 | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                 | -10°C ~ +50°C (14°F ~ 122°F)                                                                                 | -20°C ~ +50°C (-4°F ~ 122°F)                                                                               | -20°C ~ +50°C (-4°F ~ 122°F)                                                                                  |  |
| Conformity Cert's             | IP67, IK10, CE, FCC, UL                                                                                                                                                              | IP67, IK10, CE, FCC, UL                                                                                                                                                              | IP66, CE, FCC, UL                                                                                         | IP67, CE, FCC, UL                                                                                           | IP66, IK10, CE, FCC, UL                                                                                                                                              | IP66, IK10, CE, FCC, UL                                                                                                                                                              | IP66, IK10, CE, FCC, UL                                                                                                                                                              | IP66, IK10, CE, FCC, UL                                                                                                                                                              | IP67, CE, FCC, UL                                                                                            | IP66, CE, FCC, UL                                                                                            | CE, FCC, UL                                                                                                  | IP67, CE, FCC, UL                                                                                          | IP66, CE, FCC, UL                                                                                             |  |
| Power                         | 12VDC<br>4.3W Maximum                                                                                                                                                                | 12VDC<br>4.5W Maximum                                                                                                                                                                | 12VDC<br>5.4W Maximum                                                                                     | 12VDC<br>4.5W Maximum                                                                                       | 12VDC / PoE<br>5.7W Max                                                                                                                                              | 12VDC / PoE<br>7.3W Max                                                                                                                                                              | 12VDC / PoE<br>8.2W Max                                                                                                                                                              | 12VDC / PoE<br>8.5W Max                                                                                                                                                              | 12VDC / PoE<br>5.3W Max                                                                                      | 12VDC / PoE<br>7.7W Max                                                                                      | 12VDC / PoE<br>7.7W Max                                                                                      | 12VDC / PoE<br>7.7W Max                                                                                    | 12VDC / PoE<br>7.7W Max                                                                                       |  |



# VIDEO SURVEILLANCE PRODUCTS Quick Reference Guide

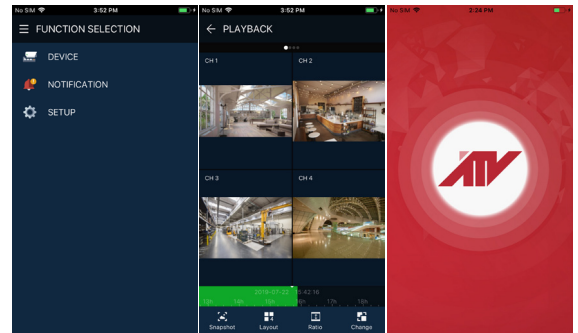


| CATEGORY                    | HD ANALOG DIGITAL VIDEO RECORDERS                                                        |                                                                                          |                                                                                          | NETWORK VIDEO RECORDERS                                                                   |                                                                                           |                                                                                             |                                                                                             |                                                                                             |
|-----------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| MODEL NUMBERS               |  HVR041 |  HVR082 |  HVR162 |  NVR04P2 |  NVR08P2 |  NVR16P2 |  NVR16P4 |  NVR32P4 |
| DESCRIPTION                 | 4ch Hybrid DVR                                                                           | 8ch Hybrid DVR                                                                           | 16ch Hybrid DVR                                                                          | 4ch w/ 4 PoE                                                                              | 8ch w/ 8 PoE                                                                              | 16ch w/ 16 PoE                                                                              | 16ch w/ 16 PoE                                                                              | 32ch w/ 16 PoE                                                                              |
| MAX. RECORDING RESOLUTION   | AHD, TVI - 2MP;<br>CVBS - 720TVL; IP - 3MP                                               | AHD, TVI - 2MP;<br>CVBS - 720TVL; IP - 3MP                                               | AHD, TVI - 2MP;<br>CVBS - 720TVL; IP - 3MP                                               | 4K (8MP)                                                                                  | 4K (8MP)                                                                                  | 4K (8MP)                                                                                    | 4K (8MP)                                                                                    | 4K (8MP)                                                                                    |
| VIDEO COMPRESSION           | H.264                                                                                    | H.264                                                                                    | H.264                                                                                    | H.265                                                                                     | H.265                                                                                     | H.265                                                                                       | H.265                                                                                       | H.265                                                                                       |
| BANDWIDTH - I/O             | Guarantee Min 72Mbps                                                                     | Guarantee Min 72Mbps                                                                     | Guarantee Min 72Mbps                                                                     | Guarantee Min 72Mbps                                                                      | Guarantee Min 144Mbps                                                                     | Guarantee Min 288Mbps                                                                       | Guarantee Min 576Mbps                                                                       | Guarantee Min 576Mbps                                                                       |
| MAX. RECORD / PLAYBACK RATE | 1080p @ 120fps                                                                           | 1080p @ 240fps                                                                           | 1080p @ 240fps                                                                           | 4K (8MP) @ 120fps                                                                         | 4K (8MP) @ 240fps                                                                         | 4K (8MP) @ 480fps                                                                           | 4K (8MP) @ 480fps                                                                           | 4K (8MP) @ 480fps                                                                           |
| CONNECTIONS                 |                                                                                          |                                                                                          |                                                                                          |                                                                                           |                                                                                           |                                                                                             |                                                                                             |                                                                                             |
| HDMI OUTPUT                 | 1 x 1080                                                                                 | 1 x 1080                                                                                 | 1 x 1080                                                                                 | 1 x 4K                                                                                    | 1 x 4K                                                                                    | 1 x 4K                                                                                      | 1 x 4K                                                                                      | 1 x 4K                                                                                      |
| VGA OUTPUT                  | 1 x 1080                                                                                 | 1 x 1080                                                                                 | 1 x 1080                                                                                 | 1 x 1080                                                                                  | 1 x 1080                                                                                  | 1 x 1080                                                                                    | 1 x 1080                                                                                    | 1 x 1080                                                                                    |
| AUDIO INPUTS / OUTPUTS      | RCA 1 / 1                                                                                | RCA 4 / 1                                                                                | RCA 4 / 1                                                                                | RCA 1 / 1                                                                                 | RCA 1 / 1                                                                                 | RCA 1 / 1                                                                                   | RCA 1 / 1                                                                                   | RCA 1 / 1                                                                                   |
| USB                         | Front panel: 2 x USB2.0                                                                  | Front panel: 2 x USB2.0                                                                  | Front panel: 2 x USB2.0                                                                  | Front panel: 2 x USB2.0<br>Rear panel: 1 x USB3.0                                         | Front panel: 2 x USB2.0<br>Rear panel: 1 x USB3.0                                         | Front panel: 2 x USB2.0<br>Rear panel: 1 x USB3.0                                           | Front panel: 2 x USB2.0<br>Rear panel: 1 x USB3.0                                           | Front panel: 2 x USB2.0<br>Rear panel: 1 x USB3.0                                           |
| ALARM IN / OUT              | 4 / 1                                                                                    | 4 / 1                                                                                    | 4 / 1                                                                                    | 4 / 1                                                                                     | 8 / 1                                                                                     | 16 / 1                                                                                      | 16 / 1                                                                                      | 16 / 1                                                                                      |
| ETHERNET                    | 1 - RJ45 Port,<br>10M/100M/1000M                                                         | 1 - RJ45 Port,<br>10M/100M/1000M                                                         | 1 - RJ45 Port,<br>10M/100M/1000M                                                         | 1 - RJ45 Port,<br>10M/100M/1000M                                                          | 1 - RJ45 Port,<br>10M/100M/1000M                                                          | 1 - RJ45 Port,<br>10M/100M/1000M                                                            | 1 - RJ45 Port,<br>10M/100M/1000M                                                            | 1 - RJ45 Port,<br>10M/100M/1000M                                                            |
| POE                         | -                                                                                        | -                                                                                        | -                                                                                        | 4 x RJ45 (10/100 Base T)                                                                  | 8 x RJ45 (10/100 Base T)                                                                  | 16 x RJ45 (10/100 Base T)                                                                   | 16 x RJ45 (10/100 Base T)                                                                   | 16 x RJ45 (10/100 Base T)                                                                   |
| SERIAL INTERFACE            | 1 x RS485                                                                                | 1 x RS485                                                                                | 1 x RS485                                                                                | 1 x RS485                                                                                 | 1 x RS485                                                                                 | 1 x RS485                                                                                   | 1 x RS485                                                                                   | 1 x RS485                                                                                   |
| OPERATION                   |                                                                                          |                                                                                          |                                                                                          |                                                                                           |                                                                                           |                                                                                             |                                                                                             |                                                                                             |
| MAXIMUM POE POWER           | -                                                                                        | -                                                                                        | -                                                                                        | 38W Total; IEEE 802.3at                                                                   | 73W Total; IEEE 802.3at                                                                   | 130W Total; IEEE 802.3at                                                                    | 130W Total; IEEE 802.3at                                                                    | 130W Total; IEEE 802.3at                                                                    |
| HDD BAYS & SIZES            | 1 SATA, up to 12TB                                                                       | 2 SATA, up to 12TB each                                                                  | 2 SATA, up to 12TB each                                                                  | 2 SATA, up to 12TB each                                                                   | 2 SATA, up to 12TB each                                                                   | 2 SATA, up to 12TB each                                                                     | 4 SATA, up to 12TB each                                                                     | 4 SATA, up to 12TB each                                                                     |
| BACKUP                      | USB                                                                                      | USB                                                                                      | USB                                                                                      | USB                                                                                       | USB                                                                                       | USB                                                                                         | USB                                                                                         | USB                                                                                         |
| USER INSTRUCTION MANUAL     | Manual Link                                                                              | Manual Link                                                                              | Manual Link                                                                              | Manual Link                                                                               | Manual Link                                                                               | Manual Link                                                                                 | Manual Link                                                                                 | Manual Link                                                                                 |
| REMOTE USERS                | 10                                                                                       | 10                                                                                       | 10                                                                                       | 10                                                                                        | 10                                                                                        | 10                                                                                          | 10                                                                                          | 10                                                                                          |
| OSD & PTZ CONTROL           | Yes                                                                                      | Yes                                                                                      | Yes                                                                                      | Yes                                                                                       | Yes                                                                                       | Yes                                                                                         | Yes                                                                                         | Yes                                                                                         |
| QUICK SETUP GUIDE           | QSG Link                                                                                 | QSG Link                                                                                 | QSG Link                                                                                 | QSG Link                                                                                  | QSG Link                                                                                  | QSG Link                                                                                    | QSG Link                                                                                    | QSG Link                                                                                    |
| ONVIF SUPPORT               | Yes                                                                                      | Yes                                                                                      | Yes                                                                                      | Yes                                                                                       | Yes                                                                                       | Yes                                                                                         | Yes                                                                                         | Yes                                                                                         |
| ACCESSORIES                 | XDLBB2 Lockbox                                                                           | XDLBB2 Lockbox                                                                           | XDLBB2 Lockbox                                                                           | XDLBB2 Lockbox                                                                            | XDLBB2 Lockbox                                                                            | XDLBB2 Lockbox                                                                              | LB3L Lockbox                                                                                | LB3L Lockbox                                                                                |

| CATEGORY      | ACCESSORIES                                                                                               |                                                                                            |                                                                                            |                                                                                             |                                                                                             |                                                                                              |                                                                                              |                                                                                                           |                                                                                                           |                                                                                                         |                                                                                              |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| MODEL NUMBERS |  HDB243X /<br>HDB243XB |  HDB454 |  HDB344 |  HCS254V |  HCM160 |  HJB400 |  HJB200 |  HDA502 /<br>HDA502B |  HDB453 /<br>HDB453B |  HPDA3 /<br>HPDA3B |  HDA401 |
| DESCRIPTION   | Wall Mount                                                                                                | Wall Mount                                                                                 | Wall Mount                                                                                 | Ceiling Flush Mount                                                                         | Corner Mount                                                                                | Junction Box                                                                                 | Junction Box                                                                                 | Junction Box                                                                                              | Pendant Mount                                                                                             | Pendant Cap                                                                                             | Wedge Mount                                                                                  |
| FEATURES      | Aluminum Alloy                                                                                            | Aluminum Alloy                                                                             | Plastic                                                                                    | Aluminum Alloy                                                                              | Aluminum Alloy                                                                              | Aluminum Alloy                                                                               | Aluminum Alloy                                                                               | Aluminum Alloy                                                                                            | Aluminum Alloy                                                                                            | Aluminum Alloy                                                                                          | ABS                                                                                          |
|               | Wall Installation for Domes / Turrets                                                                     | Wall Installation for Domes / Turrets                                                      | Wall Installation for Fixed Lens Turret                                                    | In-ceiling Installation for Domes                                                           | Corner Installation for all Cameras                                                         | Mounting box for Bullets / Turrets                                                           | Mounting box for Bullets                                                                     | Mounting box for Domes / Turrets                                                                          | Pendant Installation for Domes                                                                            | Pendant Installation for Domes                                                                          | Angled Installation of domes                                                                 |
|               | No add'l Mount req'd                                                                                      | No add'l Mount req'd                                                                       | No add'l Mount req'd                                                                       | No add'l Mount req'd                                                                        | Req's use of Wall Mount or Junction Box                                                     | No add'l Mount req'd                                                                         | No add'l Mount req'd                                                                         | No add'l Mount req'd                                                                                      | No add'l Mount req'd                                                                                      | No add'l Mount req'd                                                                                    | No add'l Mount req'd                                                                         |



VMS Client Software for Windows and Mac



Mobile App for iOS and Android

| Sales Team Support   |                |              |
|----------------------|----------------|--------------|
| National Sales Mgr   | Paul Lange     | 603-303-7422 |
| Northeast Region     | Bill O'Day     | 973-647-2282 |
| South Central Region | Todd Dunham    | 678-372-4365 |
| Midwest Region       | Jim Ball       | 847-757-7765 |
| South West Region    | Brian Crockett | 512-574-0854 |
| West Region          | John Jacobsen  | 503-857-3207 |

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