



VIDEO SURVEILLANCE PRODUCTS Quick Reference Guide

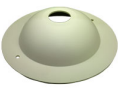
CATEGORY	NETWORK (IP) CAMERAS																		
	VANDAL						LOW PROFILE	TURRET	INDOOR FISHEYE	SPECIALTY			BULLET						PTZ
MODEL NUMBERS	 NV229 / NV237	 NVW229 / NVW229B / NVW237	 NVW2212M / NVW2212MB	 NVW429 / NVW429B / NVW436	 NVW4212M / NVW4212MB	 NVW4K311M	 NLPW229 / NLPW237	 NT3212M	 NFE5360	 IPHS243	 IPLPC2RI	 IPCC2W	 NB237	 NBW229 / NBW237	 NBW429 / NBW436	 NBW2212M	 NBW4212M	 NBW4K311M	 IPSDV20X2
DESCRIPTION	2MP FL Vandal	2MP FL Vandal	2MP VFL Vandal	4MP FL Vandal	4MP VFL Vandal	4K VFL Vandal	2MP FL Low Profile	3MP VFL Pan/ Tilt Turret	5MP 360° Indoor Fisheye	2MP Covert Height Strip	2MP, License Plate Capture	2MP, Covert Board	2MP FL Bullet	2MP FL Bullet	4MP FL Bullet	2MP VFL Bullet	4MP VFL Bullet	4K VFL Bullet	2MP 20x PTZ
RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080	2592 x 1520	2592 x 1520	3840 x 2160	1920 x 1080	2048 x 1536	2592 x 1944	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2592 x 1520	1920 x 1080	2592 x 1520	3840 x 2160	1920 x 1080
FPS @ MAX. RESOLUTION	30fps	30fps	30fps	30fps	30fps	30fps	30fps	30fps	15fps	30-fps	60-fps	60-fps	30fps	30fps	30fps	30fps	30fps	30fps	60-fps
LENS	Fixed 2.9mm / 3.7mm	Fixed 2.9mm / 3.7mm	Motorized 2.8 ~ 12mm VF	Fixed 2.9mm / 3.6mm	Motorized 2.8 ~ 12mm VF	Motorized 3.6 ~ 11mm VF	Fixed 2.9mm / 3.7mm	Motorized 2.8 ~ 12mm VF	Fixed 1.05mm Panoramic	4.3mm fixed	Motorized, 5.1 - 51mm VF	4.3mm Fixed	Fixed 3.7mm	Fixed 2.9mm / 3.7mm	Fixed 2.9mm / 3.6mm	Motorized 2.8 ~ 12mm VF	Motorized 2.8 ~ 12mm VF	Motorized 3.6 ~ 11mm VF	4.7 - 94mm, 20x optical zoom, 16x digital
FIELD OF VIEW (H° x V°)	110 x 65 / 90 x 51	116 x 64.5 / 89 x 50	100 x 56 ~ 33 x 18 (Wide ~ Tele)	108 x 62 / 81 x 46	89 x 55 ~ 31 x 18 (Wide ~ Tele)	87 x 49 ~ 38 x 21 (Wide ~ Tele)	110 x 65 / 85 x 46	88 x 65 ~ 35 x 24 (Wide ~ Tele)	180 x 180	75 x 42.1	54 x 30.3 ~ 4.9 x 2.7 (Wide ~ Tele)	75 x 42.1	90 x 51	116 x 64.5 / 89 x 50	108 x 62 / 81 x 46	100 x 56 ~ 33 x 18 (Wide ~ Tele)	89 x 55 ~ 31 x 18 (Wide ~ Tele)	87 x 49 ~ 38 x 21 (Wide ~ Tele)	55.5 x 32.4 ~ 3 x 1.7 (Wide ~ Tele)
IMAGE SENSOR	1/2.9" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/3" Prog Scan CMOS	1/2.5" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/1.8" Prog Scan CMOS	1/2.8" Sony Exmor CMOS	1/2" Prog Scan CMOS	1/2" 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	1/2.5" Prog Scan CMOS	1/2" Prog Scan CMOS
IR LED RANGE	82ft (25M)	82ft (25M)	82ft (25M)	82ft (25M)	82ft (25M)	98ft (30M)	49ft (15M)	82ft (25M)	-	-	65-80ft range	-	82ft (25M)	82ft (25M)	82ft (25M)	131ft (40M)	131ft (40M)	98ft (30M)	-
MIN. SCENE ILLUMINATION (LUX)	0.3 (Col); 0 (BW, w/ IR)	0.08 (Col); 0 (BW, w/ IR)	0.1 (Col); 0 (BW, w/ IR)	0.23 (Col); 0 (BW, w/ IR)	0.1 (Col); 0 (BW, w/ IR)	0.03 (Col); 0 (BW, w/ IR)	0.2 (Col); 0 (BW, w/ IR)	0.1 (Col); 0 (BW, w/ IR)	0.03 (Col); 0.07 (BW)	0.5 (Color)	0 (BW, IR LED On)	0.1 (Color)	0.08 (Col); 0 (BW, w/ IR)	0.08 (Col); 0 (BW, w/ IR)	0.23 (Col); 0 (BW, w/ IR)	0.1 (Col); 0 (BW, w/ IR)	0.1 (Col); 0 (BW, w/ IR)	0.03 (Col); 0 (BW, w/ IR)	0.35 (Color), 0.13 (BW)
WDR	Digital	120dB	120dB	120dB	120dB	120dB	120dB	Digital	Digital	120dB	-	120dB	Digital	120dB	120dB	120dB	120dB	120dB	120dB
DAY/NIGHT	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	-	-	-	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
VIDEO COMPRESSION	H.264	H.265	H.265	H.265	H.265	H.265	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.265	H.265	H.265	H.265	H.265	H.264
MULTI-STREAMING	4	4	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	3
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	Micro-SD	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	-	1 / 1	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	-	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
ADDITIONAL FEATURES	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, Corridor, 3D-DNR, 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, VMD, Privacy,, 3DNR, Defog, DIS, Corridor	ONVIF, VMD, 3D-DNR, DIS, AIHM, Video Analytics, Heater	ONVIF, 3D-DNR, BLC, AWB, DIS, Privacy, Corridor, 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, 3D-DNR, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, Defog, Privacy, VMD, Video Analytics	ONVIF, 3D-DNR, Defog, Privacy, VMD, Video Analytics	ONVIF, Heater, VCA, Privacy, Presets, Tours, Patterns
ACCESSORIES	HDB243X Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 Junction Box; HDB453 Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB453 (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	-	HDB243X Wall Mt; HAD502 Junction Box; HDB453 Pendant Mt	HDB344 Wall Mt	-	A-CM150 Corner Mt; A-CM151 Pole Mt	-	HJB200 Junction Box; HCM160 Corner Mt	HJB200 Junction Box; HCM160 Corner Mt	HJB200 Junction Box; HCM160 Corner Mt	HJB400 Junction Box; HCM160 Corner Mt HJB200 Junction Box	HJB400 Junction Box; HCM160 Corner Mt HJB200 Junction Box	HJB400 Junction Box; HCM160 Corner Mt HJB200 Junction Box	VDMWC2 Wall/Ceiling Mt; DB243W2 Wall Mt; A-PEXM Ceiling Mt; A-PFM Flush Mt; A-PPDM Pendant Cap; A-CM150 Corner Mt; A-CM151 Pole Mt; KB5000N Keyboard
USER INSTRUCTION MANUAL	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link
OPERATING TEMP RANGE	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-10°C ~ +50°C (14°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)	-30°C ~ +50°C (-22°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +50°C (-22°F ~ 122°F)
CONFORMITY CERT'S	IP66, IK10, CE, FCC, UL	IP66, IK10, 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	CE, FCC	IP66, CE, FCC, UL	CE, FCC, UL	IP67, CE, FCC, UL	IP66, CE, FCC, UL	IP66, CE, FCC, UL	IP66, CE, FCC, UL	IP66, CE, FCC, UL	IP66, CE, FCC, UL	IP66, CE, FCC, UL
POWER SOURCE	12VDC / PoE 5.7W Max	12VDC / PoE 7.3W Max	12VDC / PoE 8.2W Max	12VDC / PoE 7.3W Max	12VDC / PoE 8.5W Max	12VDC / PoE 9W Max	12VDC / PoE 5.3W Max	12VDC / PoE 7.7W Max	12VDC / PoE 7.7W Max	12VDC, / PoE 4W Max	12VDC / PoE 23W Max	12VDC / PoE 5.5W Max	12VDC / PoE 7.7W Max	12VDC / PoE 7.7W Max	12VDC / PoE 6.5W Max	12VDC / PoE 7.7W Max	12VDC / PoE 7.7W Max	12VDC / PoE 7.7W Max	12VDC / 24VAC / PoE 15W Max

CAMERA ACCESSORIES																
MODEL NUMBERS	 HDB243X / HDB243XB	 DB243W2	 HDB454	 HDB344	 HCS254V	 A-PFM	 HCM160	 HCPM230W	 HJB400	 HJB200	 HDA502 / HDA502B	 HDB453 / HDB453B	 PM304	 HDA201P	 HPDA3 / HPDA3B	 HDA401
DESCRIPTION	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Ceiling Flush Mount	Ceiling Flush Mount	Corner Mount	Corner Mount	Junction Box	Junction Box	Junction Box	Pendant Mount	Parapet Roof Mount	Pendant Cap	Pendant Cap	Wedge Mount
FEATURES	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Plastic	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
	Wall Installation for Domes / Turrets	Wall Installation for Domes / Turrets	Wall Installation for Domes / Turrets	Wall Installation for Fixed Lens Turret	In-ceiling Installation for Domes	In-ceiling Mount for PTZ Domes	Corner Installation for all Cameras	Corner Installation for PTZ Dome	Mounting box for Bullets / Turrets	Mounting box for Bullets	Mounting box for Domes / Turrets	Pendant Installation for Domes	Over the Roof Installation for PTZ Domes	Over the Roof Installation for PTZ 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	No add'l Mount req'd	No add'l Mount req'd	Req's use of Wall Mount or Junction Box	Req's use of DB243W2	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 HDA201P	Req's use of PM304	No add'l Mount req'd	No add'l Mount req'd



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CATEGORY	ANALOG CAMERAS										
	VANDAL			TURRET		BULLET			PTZ	SPECIALTY	
MODEL NUMBERS	 CV2212HD	 HDV228 / HDV228B / HDV236	 HDV2212M / HDV2212MB	 CT2212HD	 HDT228	 CB2212HD	 HDB228 / HDB236	 HDB2212M	 HDSDV220	 HDS243	 CS7D37PB
DESCRIPTION	2MP VFL Vandal	2MP FL Vandal	2MP VFL Vandal	2MP VFL Turret	2MP FL Turret	2MP VFL Bullet	2MP FL Bullet	2MP VFL Bullet	2MP 20x PTZ	2MP Covert Height Strip	960H Covert Mini Strip
RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	700TVL
FPS @ MAX. RESOLUTION	30fps	20fps	30fps	30fps	30fps	30fps	30fps	30fps	30fps	30fps	30fps
LENS	2.8-12mm VF	Fixed 2.8mm / 3.6mm	Motorized 2.8 ~ 12mm VF	2.8~12mm VF	Fixed 2.8mm	2.8~12mm VF	Fixed 2.8mm / 3.6mm	Motorized 2.8 ~ 12mm VF	20x, 4.7 ~ 94mm	4.3mm Pinhole	3.7mm
FIELD OF VIEW (H° X V°)	97.1 x 50.6 ~ 32.3 x 18.2 (Wide ~ Tele)	113 X 62 / 80 X 44	96.5 x 52.2 ~ 33.8 x 19 (Wide ~ Tele)	97.1 x 50.6 ~ 32.3 x 18.2 (Wide ~ Tele)	113 X 62	97.1 x 50.6 ~ 32.3 x 18.2 (Wide ~ Tele)	113 X 62 / 80 X 44	96.5 x 52.2 ~ 33.8 x 19 (Wide ~ Tele)	55.5 x 32.4 ~ 3 x 1.7 (Wide ~ Tele)	73 x 41	80 X 44
IMAGE SENSOR	1/2.9" Sony CMOS	1/2.9" Prog Scan CMOS	1/2.9" Prog Scan CMOS	1/2.9" Sony CMOS	1/2.9" Prog Scan CMOS	1/2.9" Sony CMOS	1/2.9" Prog Scan CMOS	1/2.9" Prog Scan CMOS	1/2.8" Prog Scan CMOS	1/2.9" Sony CMOS	1/3" CCD
IR LED RANGE	98ft (30M)	82ft (25M)	82ft (25M)	98ft (30M)	65ft (20M)	98ft (30M)	82ft (25M)	131ft (40M)	-	-	-
MIN. SCENE ILLUM. (LUX)	1.0 (Color); 0 (BW, w/ IR)	1.0 (Col); 0 (BW, w/ IR)	1.0 (Col); 0 (BW, w/ IR)	1.0 (Color); 0 (B/W w/ IR)	1.0 (Col); 0 (BW, w/ IR)	1.0 (Color); 0 (B/W w/ IR)	1.0 (Col); 0 (BW, w/ IR)	1.0 (Col); 0 (BW, w/ IR)	0.35 (Col); 0.13 (BW)	1.0 (Color); 0.1 (B/W)	0.1 (Color); 0.04 (BW)
WDR	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	120dB	Digital	-
DAY/NIGHT	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	Digital
ADDITIONAL FEATURES	TVI, AHD, CVI & CVBS Selectable; OSD; Defog; Sens-Up; BLC, 3DNR; VMD, Privacy	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, CVI & CVBS Selectable; OSD; Defog; Sens-Up; BLC, 3DNR; VMD, Privacy	TVI, AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; BLC, VMD, Privacy	TVI, AHD, CVI & CVBS Selectable; OSD; Defog; Sens-Up; BLC, 3DNR; VMD, Privacy	AHD, CVBS Selectable; OSD; 3DNR; VMD	TVI, AHD, CVBS Selectable; OSD; Sens-Up; 3DNR; Defog; BLC, VMD, Privacy	TVI, AHD, CVBS Selectable; OSD; 3DNR; DIS, Defog; BLC, VMD, Privacy	AHD & CVBS Selectable; OSD; Defog; Sens-Up; BLC, 3DNR; VMD, Privacy	2D-DNR, AGC, SLC, AWB; Gimbal bracket; Adjustable Height & Tilt
ACCESSORIES	HDA301 Surface Mt Ring HPDA3 Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HDB243X (B) Wall Mt; HDB454 Wall Mt; HCS254V Flush Mt; HDA502 (B) Junction Box; HDB453 (B) Pendant Mt; HCM160 Corner Mt HPDA3 (B) Pendant Cap	HJB400 Junction Box	HDB344 Wall Mt; HJB400 Junction Box; HCM160 Corner Mt	HJB400 Junction Box	HJB200 Junction Box; HCM160 Corner Mt	HJB200 Junction Box; HCM160 Corner Mt	KB5000N Keyboard Cont; A-CM150 Corner Mt; A-CM151 Pole Mt; DB243W2 Wall Mt; A-PEXM Clg Mt; VDMWC2 Wall/Clg Mt; A-PPDM Clg Pipe Mt; A-PFM Flush Mt; VDSMR Surf Mt Ring	-	-
USER INSTRUCTION MANUAL	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	Manual Link	HS Manual Link
OPERATING TEMP RANGE	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	-30°C ~ +60°C (-22°F ~ 140°F)	14° F - 122° F (-10°C ~ +50°C); w/ heater -22°F (-30°C)	14° F - 122° F (-10°C ~ +50°C)	-10°C ~ +50°C (14°F ~ 122°F)
CONFORMITY CERTS	IP66, IK10, CE, FCC	IP67, IK10, CE, FCC, UL	IP67, IK10, CE, FCC, UL	IP66, CE, FCC	IP66, CE, FCC, UL	IP66, CE, FCC	IP67, CE, FCC, UL	IP67, CE, FCC, UL	IP66, IK10, CE, FCC, UL	CE, FCC	CE, FCC
POWER	12VDC/24VAC; 4.68W Max	12VDC; 4.3W Max	12VDC; 4.5W Max	12VDC; 4.68W Max	12VDC; 5.4W Max	12VDC; 4.68W	12VDC; 4.5W Max	12VDC; 4.5W Max	12VDC, 12W; 24VAC, 22W (w/heater)	12VDC; 2.2W	12VDC; 1.5W Max

CAMERA ACCESSORIES												
MODEL NUMBERS	 KB5000N	 4KTESTMON	 VDMWC2	 A-CM150	 A-CM151	 HDA301 / VDSMR	 A-PPDM	 A-PEXM	 DB241	 PDA5W	 VDMWC	 CV-FLUSHMT
DESCRIPTION	Keyboard Controller	Video Test Monitor	Wall / Ceiling Mount	Corner Mount	Pole Mount	Surface Mount Ring	Pendant Cap	Pendant Mount Pipe	Pendant Mount Pipe	Pendant Cap	Wall / Ceiling Mount	Flush Mount
FEATURES	LCD Text Screen	7" Retina Touch Screen	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Pressed Steel	Die Cast Aluminum	Steel and Plastic
	DVR / NVR Connectable for PTZ Control	Supports CVBS, TVI, CVIK, AHD & IP	Wall or Ceiling Install for Exterior Domes	Corner Install for Exterior Cameras	Pole Install for Exterior Cameras	Conduit connector for Exterior Domes	Pendant Mount Install for Exterior Domes	Ceiling Mount Install for Exterior Domes	Ceiling Mount Install for Exterior Domes	Pendant Mount Install for Exterior Domes	Wall or Ceiling Install for Exterior Domes	Ceiling Install for Domes
	Joystick Control	Battery or 12VDC	No add'l Mount req'd	Typ. Req's Wall or Junction Mt	Typ. Req's Wall or Junction Mt	No add'l Mount req'd	Req's Pendant Mt Pipe	No add'l Mount req'd	Req's Pendant Cap or Exterior Housing	Req's 3/4" Conduit Pipe	No add'l Mount req'd	No add'l Mount req'd



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CATEGORY	NETWORK RECORDERS					HYBRID DIGITAL VIDEO RECORDERS			ANALOG DIGITAL VIDEO RECORDERS			
MODEL NUMBERS	 NVR04P2	 NVR08P2	 NVR16P2	 NVR16P4	 NVR32P4	 HVR041	 HVR082	 HVR162	 ED2808	 VLD904 / VLD908	 VLD916	 VLD4500
DESCRIPTION	4ch w/ 4 PoE	8ch w/ 8 PoE	16ch w/ 16 PoE	16ch w/ 16 PoE	32ch w/ 16 PoE	4ch Hybrid	8ch Hybrid	16ch Hybrid	8ch	4ch / 8ch	16ch	4ch
MAX. RECORDING RESOLUTION	4K (8MP)	4K (8MP)	4K (8MP)	4K (8MP)	4K (8MP)	AHD, TVI - 2MP; CVBS - 720TVL; IP - 3MP	AHD, TVI - 2MP; CVBS - 720TVL; IP - 3MP	AHD, TVI - 2MP; CVBS - 720TVL; IP - 3MP	D1 / 960H	D1 / 960H	D1 / 960H	D1 / 960H
VIDEO COMPRESSION	H.265	H.265	H.265	H.265	H.265	H.264	H.264	H.264	H.264	H.264	H.264	H.264
BANDWIDTH - I/O	Guarantee Min 72Mbps	Guarantee Min 144Mbps	Guarantee Min 288Mbps	Guarantee Min 576Mbps	Guarantee Min 576Mbps	Guarantee Min 72Mbps	Guarantee Min 72Mbps	Guarantee Min 72Mbps	-	-	-	-
MAX. RECORD / PLAYBACK RATE	4K (8MP) @ 120fps	4K (8MP) @ 240fps	4K (8MP) @ 480fps	4K (8MP) @ 480fps	4K (8MP) @ 480fps	1080p @ 120fps	1080p @ 240fps	1080p @ 240fps	D1 / 960H @ 120 / 240fps	D1 / 960H @ 120 / 240fps	D1 / 960H @ 480fps	D1 / 960H @ 240fps
CONNECTIONS												
HDMI OUTPUT	1 x 4K	1 x 4K	1 x 4K	1 x 4K	1 x 4K	1 x 1080	1 x 1080	1 x 1080	1 x 1080	1 x 1080	1 x 1080	-
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	1 x 1080	1 x 1080	1 x 1080	1 x 1080
AUDIO INPUTS / OUTPUTS	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 1 / 1	RCA 4 / 1	RCA 4 / 1	RCA 4 / 1	RCA 4 / 1	RCA 4 / 1	RCA 1 / 1
USB	2 x v2.0 1 x v3.0	2 x v2.0 1 x v3.0	2 x v2.0 1 x v3.0	2 x v2.0 1 x v3.0	2 x v2.0 1 x v3.0	2 x v2.0	2 x v2.0	2 x v2.0	2 x v2.0	2 x v2.0	2 x v2.0	2 x v2.0
ALARM IN / OUT	4 / 1	8 / 1	16 / 1	16 / 1	16 / 1	4 / 1	4 / 1	4 / 1	8 / 1	4 or 8 / 1	16 / 1	4 / 1
ETHERNET	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 - RJ45 10M/100M/1000M	1 x RJ-45 (10/100 Base-T)	1 x RJ-45 (10/100 Base-T)	1 x RJ-45 (10/100 Base-T)	1 x RJ-45 (10/100 Base-T)
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	1 x RS485 1 x RS432	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	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	1 SATA, up to 12TB	2 SATA, up to 12TB each	2 SATA, up to 12TB each	1 SATA up to 4TB	1 SATA up to 5TB	2 SATA up to 5TB each	1 SATA up to 2TB
BACKUP	USB	USB	USB	USB	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	Manual Link	Manual Link	Manual Link	Manual Link
REMOTE USERS	10	10	10	10	10	10	10	10	256	6	6	4
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	QSG Link	QSG Link	QSG Link	-
ONVIF SUPPORT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-
ACCESSORIES	XDLBB2 Lockbox	XDLBB2 Lockbox	XDLBB2 Lockbox	LB3L Lockbox	LB3L Lockbox	XDLBB2 Lockbox	XDLBB2 Lockbox	XDLBB2 Lockbox	-	XDLBB2 Lockbox	XDLBB2 Lockbox	-

RECORDER ACCESSORIES				
MODEL NUMBERS	 LB3L / XDLBB2	 NSW081P / NSW162P / NSW242P	 DC4K	 R50CAT5E, R100CAT5E, R200CAT6, R300CAT6
DESCRIPTION	Recorder Lockbox	8, 16 or 24-Port PoE Switch	Video Decoder	Ethernet Cable
FEATURES	Rack Mounts Incl	IEEE802.3af/t up to 30W/port	Decodes up to 12MP	CAT5E or CAT6, Indoor Only
	Keyed Lock on Front Door	Up to 24 PoE + 2 GigaBit Ports	Displays on HDMI or VGA Monitors	Pre-made lengths w/ RJ45 Conn's
	Tough Galvanized Iron	10/100 Mbps ports	Up to 16 Cameras	50, 100, 200 or 300ft

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