



Product Description	Vandal Resistant Mini Dome	1.3 Megapixel Box Camera	3.0 Megapixel Box Camera	1.3 Megapixel Indoor Dome (Recessed)	1.3 Megapixel Indoor Dome (Wall Mount)	1.3 Megapixel Indoor Dome (Pendant)
Part Number	ND3-10VR-28	CAM-13DN-IP	CAM-30DN-IP	ND5-13RE-312	ND5-13W-312	ND5-13P-312
Suitable Environment	Indoor / Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor
Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution (Total Pixels)	1.0 Megapixel	1.3 Megapixel	3.0 Megapixel	1.3 Megapixel	1.3 Megapixel	1.3 Megapixel
Resolution (Pixels)	1280 x 800	1280 x 1024	2032 x 1536	1280 x 1024	1280 x 1024	1280 x 1024
Minimum Illumination	1.0 Lux	1.0 Lux	1.0 Lux	1.0 Lux	1.0 Lux	1.0 Lux
IR LEDs	-	-	-	-	-	-
Frame Rate (Max Res.) H.264	15 fps	25 fps	8 fps	30 fps	30 fps	30 fps
Frame Rate (Max Res.) MPEG-4	15 fps	15 fps	8 fps	15 fps	15 fps	15 fps
Frame Rate (Max Res.) MJPEG	30 fps	15 fps	8 fps	30 fps	30 fps	30 fps
Lens - Mount Type	M12	C/CS Mount	C/CS Mount	Board-Level	Board-Level	Board-Level
Lens - Focal Length (Range)	2.8mm	Not Included *	Not Included *	3.3 ~ 12mm	3.3 ~ 12mm	3.3 ~ 12mm
Lens - Iris	Fixed	Not Included *	Not Included *	Auto	Auto	Auto
Lens - IR Corrected	-	Not Included *	Not Included *	-	-	-
Mechanical IR Cut Filter	-	Yes	Yes	-	-	-
Wide Dynamic Range	-	-	-	-	-	-
Built-In Heater/Blower	-	-	-	-	-	-
Internal Microphone	Yes	Yes	Yes	-	-	-
Audio Input - External Mic	-	Yes	Yes	Yes	Yes	Yes
Audio Output - Speaker	-	Yes	Yes	Yes	Yes	Yes
2-Way Audio	-	Yes	Yes	Yes	Yes	Yes
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Local Storage	-	Yes, 32GB Max	Yes, 32GB Max	Yes, 32GB Max	Yes, 32GB Max	-
Digital Input/Output	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
RS485 Output	-	Yes	Yes	-	-	-
Supported Protocols	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual
Operating Temperature	-4° ~ +122°F (-20° ~ 50°C)	+32° ~ 104°F (0° ~ +40°C)	+32° ~ 104°F (0° ~ +40°C)	+32° ~ 104°F (0° ~ +40°C)	+32° ~ 104°F (0° ~ +40°C)	+32° ~ 104°F (0° ~ +40°C)
Regulatory Approvals	FCC	FCC	FCC	FCC	FCC	FCC
Power Requirements	PoE 802.3af	PoE 802.3af 12VDC/24VAC	PoE 802.3af 12VDC, 24VAC	PoE 802.3af 48VDC	PoE 802.3af 48VDC	PoE 802.3af 48VDC
Dimensions	Ø 4.3" x 1.8" (Ø 110mm x 45mm)	4.7" x 2.4" x 2.4" (L x W x H) 120 x 60 x 60mm (L x W x H)	4.7" x 2.4" x 2.4" (L x W x H) 120 x 60 x 60mm (L x W x H)	Ø6.2" x 5.5" (Ø157mm x 140mm)	See Pendant Dimensions Wall Arm Dimensions: 8.8" x 4.4" x 6.1" (L x W x H) 224 x 112 x 155mm (L x W x H)	Ø6.2" x 6.5" (Ø157mm x 165mm)

* Lens sold separately.

Part # LEN-13MP288IR = 3-10mm, Auto Iris, 1.3MP resolution, IR corrected, 1/3-in format, C/CS Mount
Part # LEN-3MP288IR = 2.8-8mm, Auto Iris, 3MP resolution, IR corrected, 1/3-in format, C/CS Mount
Part # KIT-MPLEN = assorted M12 fixed lenses, 4.0mm, 6.0mm, 8.0mm, 1.3MP resolution



Product Description	1.3 Megapixel Indoor Dome (Surface)	1.3 Megapixel Outdoor Dome (Surface)	1.0 Megapixel Bullet Camera *	3.0 Megapixel Camera Package	D1 Encoder
Part Number	ND4-13S-312	ND4-13VR-312HB	NTL-10DN-312	NINC-30DNE-28	ENC-D1POE
Suitable Environment	Indoor	Outdoor	Outdoor	Indoor / Outdoor	Indoor
Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	N/A
Resolution (Total Pixels)	1.3 Megapixel	1.3 Megapixel	1.0 Megapixel	3.0 Megapixel	NTSC 720 x 480
Resolution (Pixels)	1280 x 1024	1280 x 1024	1280 x 800	2032 x 1536	-
Minimum Illumination	0 lux (IRs On)	0 lux (IRs On)	0 lux (IRs On)	1.0 Lux	N/A
IR LEDs	Yes	Yes	Yes	-	-
Frame Rate (Max Res.) H.264	30 fps	30 fps	30 fps	8 fps	30 fps
Frame Rate (Max Res.) MPEG-4	15 fps	15 fps	15 fps	8 fps	30 fps
Frame Rate (Max Res.) MJPEG	30 fps	30 fps	30 fps	8 fps	30 fps
Lens - Mount Type	Board-Level	Board-Level	Board-Level	C/CS Mount	N/A
Lens - Focal Length (Range)	3.3 ~ 12mm	3.3 ~ 12mm	3.3-12mm	2.8 ~ 8mm	N/A
Lens - Iris	Auto	Auto	Auto	Auto (DC Iris)	N/A
Lens - IR Corrected	Yes	Yes	Yes	Yes	N/A
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	N/A
Wide Dynamic Range	-	-	-	-	N/A
Built-In Heater/Blower	-	Yes	-	Yes	-
Internal Microphone	-	-	-	-	Yes
Audio Input - External Mic	Yes	Yes	Yes	-	Yes
Audio Output - Speaker	Yes	Yes	Yes	Yes	Yes
2-Way Audio	Yes	Yes	Yes	Yes	Yes
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Local Storage	Yes, 32GB Max	Yes, 32GB Max	-	Yes, 32GB Max	-
Digital Input/Output	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
RS485 Output	-	-	Yes	Yes	Yes
Supported Protocols	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP
Multi-Streaming	Dual	Dual	Dual	Dual	Dual
Operating Temperature	+32° ~ 104°F (0° ~ +40°C)	-40° ~ +140°F (-40° ~ +60°C)	-4° ~ +140°F (-20° ~ 50°C)	+14° ~ +122°F (-10° ~ +50°C)	+32° ~ 104°F (0° ~ +40°C)
Regulatory Approvals	FCC	FCC	FCC	FCC	FCC
Power Requirements	PoE 802.3af 48VDC	PoE+ 802.3at High Power, 48VDC	PoE 802.3af 12VDC/24VAC	PoE+ 802.3at High Power	PoE 802.3af 12VDC
Dimensions	Ø5.8" x 4.7" (Ø148mm x 120mm)	Ø5.6" x 4.5" (Ø142mm x 114mm)	Ø 3.2" x 6.9" (Ø82mm x 174mm)	Housing: Ø3.8" x 15.9" (Ø96 x 404mm) Mount: 3.5" x 5.5" x 12" (89 x 140 x 305mm)	5.6" x 2.3" x 2.6" (L x W x H) 142 x 60 x 65mm (L x W x H)

* Mount sold separately.

