SNC-DH280

Network HD Mini Dome Camera - V Series



Outdoor IP66 Vandal-Resistant 1080p HD Security Camera with IR Illuminators and 90 dB Wide Dynamic Range Technology

- Excellent 1080p HD picture quality, supporting H.264 at 30 fps
- 3 Megapixel (1920 x 1440) maximum resolution
- Three codecs (H.264, MPEG-4, JPEG) and dual streaming capability
- Exmor™ CMOS sensor incorporated to deliver high image quality and low noise
- Dynamic range equivalent to 90 dB achieved with View-DR technology



3

KEY FEATURES

 View-DR™ Technology – Sony's innovative Wide Dynamic Range technology – to capture objects clearly and adaptively even under very severe backlit or highlight conditions.







Actual Images



- Visibility Enhancer to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene, within the given dynamic range.
- Built-in IR (Infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 98 feet (30 m) (50 IRE) away. Adaptive IR auto adjusts IR level for best picture.





Actual images of one of Sony's HD cameras with IR illuminators.

- IP66-rated water-resistant and dust-tight feature for outdoor surveillance, or indoor where water ingress may pose an issue.
- IK10-rated impact-resistant feature to protect the camera from destructive behaviors.
- Easy Focus / Easy Zoom functions allow changing field of view and focus remotely.
- DEPA[™] Advanced Intelligent Video and Audio Analytics of trigger an alarm, based on user-defined rules.



- True Day/Night function to switch to Day or Night mode depending on the light level.
- XDNR™ (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination.





OFF





ON

Actual Images

- Powered by either AC 24V, DC 12V, or PoE (Power over Ethernet) for easy installation.
- Equipped with a built-in heater for continued camera operation in cold weather supported (-22 °F to +122 °F/ -30 °C to +50 °C)
- Equipped with a BNC connector and a phono jack to instantly monitor the video while installing the camera.
- ONVIFTM (Open Network Video Interface Forum) software that ensures greater interoperability and more flexibility in building multiple-vendor systems.

ONVIE



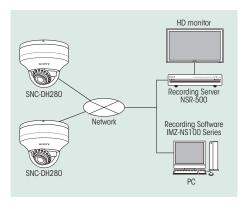
SPECIFICATIONS

Image device	Camera	SNC-DH280
Minimum Illumination Color-0 40 k, RW O. (RC NV) CREATE CR		1/2.8 type progressive scan Exmor CMOS sensor
Number of effective pixels (2096-1561)		
(2096x15ct)		
Section control		
Seniorate control Auto (2 levels) Exposure control Auto (2 Mr. APW-PRO). Preset One push WB. Monual Exert Sye Bull-In Vort Food lens Segment System Segment Sys		
Emosure control		
White bottone mode Lens type Bullin Virol-focal lens Com natio Optical 2.9% (20 Julial Zoom) Horizontal viewing angle Focal length Fig. 1 mm to 8,9 mm Frouther Fl.2 (Web), P.Z. (Tele) Minimum object distance Powered focal Nove Length Schorn [Vipical], IR LED-21 pcs) Powered 200m Richard (Schorn) Ves (Cosy Zoom) Powered 200m Richard (Schorn) Ves (Cosy Zoom) Richard (Schorn) Ric		
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Hoizenth I leveling angle 88.5 degrees to 32.3 degrees		
Foot length		
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Minimum object distance		
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Ves. (Move Length: 550nm [Typical], IR LED: 21 pcs)		
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View-DR Technology (908) View-DR Technology (908) Image enhancement Visibility Enhancer Visibility		Ves (True D/M)
Image enhancement Image enhancement Visibility Enhancer XDNRM Technology		
Noise reduction Incode I		
Index		
1920 x 1440, 1400 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 640 x 480, 640 x 348, 340 x 1204, 1576, 848, 1024 x 576, 840 x 480, 640 x 480, 640 x 348, 340 x 280, 320 x 240, 320 x 192 (H 264, MPEG-4, JPEG)		
1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 720 x 480 dx 480, 460 x 480, 460 x 380, 348 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG)		1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800,
Codes esteeming capability Maximum frome rate H264: 20fps (1920 x 1440) / 30fps (1920 x 1080) MPE9-41: 15fps (1920 x 1440) / 20fps (1920 x 1080) Audic ompression G. 711/6.726 Seene Analytics Intelligent motion detection Rule filter Ves Network Network Protocols IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, ST ONIFF software Ves Wireless network No Number of clients 10 Authentication IEEE802.1X Analog Monitor Output Signal system NTSC Horizontal resolution SOOT VI lines SN ratio More than 50 dB Interface Ethernel 10BASE-T7 (10BASE-TX (RJ-45) Analog monitor output BNC x 1 Analog monitor output Analog monitor output Mini-jack (Monaural), MIC INVLINE IN: 2.5VDC plug-in power Audion ine output Mini-jack (Monaural), Mic Noutput level: 1 Vrms Ceneral Weight 3 Ib 1 oz (1400g) Dimensions 9 6 5 /8 x 4 3/4 inches (166 x 119 mm) Power requirements Power consumption 2 9 W Max. Storling temperature AC24W/DC12V: 40 Fto 1+122 °F (-20 °C to +50 °C) Vertices of the processor Microsoft Windows XPIM, Windows V 150 Mer. 40, Ver. 7 0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox Ver. 4.0 (Plug-in free viewer only) Sofari's Ver. 4.0 (Plug-in free viewer only) Sofari's Ver. 4.0 (Plug-in free viewer only)	,	1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG)
Maximum frame rate		
MPEG-1 i Strips (1920 x 1440) / 20fps (1920 x 1080)	Codec streaming capability	Dual streaming
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Wireless network No Number of clients 10 Authentication IEEE802.1X Analog Monitor Output Signal system NTSC Horizontal resolution 600 TV lines S/N ratio Interface Ethernet 10BASE-T/100BASE-TX (RJ-45) Analog video output BNC x 1 Analog monitor output Y 2 Sensor input Audio line output Audio line output Mini-jack (Monaural), Max output level: 1 Vrms General Weight 3 lb 1 oz (1400g) Dimensions Ø 6 5/8 x 4 3/4 inches (166 x 119 mm) Power requirements Power consumption 29 W Max. Starting temperature AC24V/DC12V :-4 °F to +122 °F (-20 °C to +50 °C) PoE (IEEE802.3 of) : 21 °F (-120 °C to PoE (IEEE802.3 of) : 21 °F (-10 °C to +50 °C) Storage temperature AC24V/DC12V :-2 °F to +122 °F (-30 °C to +50 °C) Ingress protection IP66 Vandal resistant IKIO Direction William Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Fireface* Ver. 3.0 °Copy of once yet only of once inverse only) Sofarie* Ver. 4.0 (Plug-in free viewer only)		
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Signal system NTSC Horizontal resolution 600TV lines S/N ratio More than 50 dB Interface Ethernet 10BASE-T / 100BASE-TX (RJ-45) Analog video output BNC x 1 Analog monitor output Phono jack x 1 Sensor input x 1 Analog monitor output x 2 External microphone input Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power Audio line output Mini-jack (Monaural), Max output level: 1 Virms General Weight 3 lb 1 oz (1400g) Dimensions Ø 6 5/8 x 4 3/4 inches (166 x 119 mm) Power requirements PoE, AC24V, DC12V, AC24V operation required with heater Power consumption 29 W Max. Starting temperature AC24V/DC12V: -4 °F to +122 °F (-20 °C to +50 °C) PoE (IEEE802.3d): 32 °F to 122 °F (-0° Cto 50 °C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-30 °C to +50 °C) PoE (IEEE802.3d): 1-4 °F to 1-12 °F (-10° Cto to 50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto to 50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto to 50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto to 50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-10° Cto +50°C)		
Horizontal resolution 600 TV lines \$\text{SN}\text{Tatio} & \text{More than 50 dB} & \text{Interface} \\ \text{Ethernet} & \text{108ASE-TX (RJ-45)} & \text{Analog video output} & \text{BNC x 1} & \text{Analog video output} & \text{Phono jock x 1} & \text{Sensor input} & \text{x 1} & \text{Alarm output} & \text{x 2} & \text{External milerophone input} & \text{Mini-jock (Monaural), Mix output level: 1 Vrms} \\ \text{General} & \text{3 lb 1 oz (1400g)} & \text{3 lb 1 oz (1400g)} & \text{Mini-jock (Monaural), Mox output level: 1 Vrms} \\ \text{General} & \text{3 lb 1 oz (1400g)} & \text{3 lb 1 oz (1400g)} & \text{Dimensions} & \text{9 6 \text{5 8 x 4 34 inches (166 x 119 mm)} & \text{Power consumption} & \text{29 W Max.} & \text{Starting temperature} & \text{Ac24V/DC12V :-4°F to +122°F (-20°C to +50°C)} & \text{Power consumption} & \text{29 W Max.} & \text{Starting temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-20°C to +50°C)} & \text{Power (EEE802.3 af) : 32°F to 122°F (0°C to 50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to +122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to 10°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to 10°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to 10°C to +50°C)} & \text{Vorsing temperature} & \text{Ac24V/DC12V :-2°F to -122°F (-30°C to +50°C)} & \text{Vorsing temperature} & \text{Ac264V/DC12V :-2°F to -122°F (-30°C to +50°C)} & \text{Vorsing temperature} & Ac264V/DC12V :-2°F to -122°F (-30°C t		NTSC
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Elhemet 108ASE-T/ 1008ASE-TX (RJ-45) Analog video output BNC x 1 Analog monitor output Phono jock x 1 Sensor input x 1 Alarm output x 2 External microphone input Mini-jack (Monaural), Mic IN/LINE IN: 2.5VDC plug-in power Audio line output Mini-jack (Monaural), Max output level: 1 Vrms General Weight 3 lb 1 oz (1400g) Dimensions Ø 6 5/8 x 4 3/4 inches (166 x 119 mm) Power requirements PoE. AC24V, DC12V, AC24V operation required with heater Power ossumption 29 W Max. Starting temperature AC24V/DC12V: -4 °F to +122 °F (-20 °C to +50 °C) PoE (IEEE802.30): 32 °F to 122 °F (0 °C to 50 °C) Working temperature AC24V/DC12V: -2 °F to +122 °F (-30 °C to +50 °C) Storage temperature AC24V/DC12V: -2 °F to +122 °F (-10 °C to 50 °C) Vandal resistant IK10 Starting system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Firefox® Ver. 3.5 (Plug-in free viewer only) Safar® Ver. 4.0 (Plug-in free viewer only)	Interface	
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External microphone input Mini-jack (Monaural), Mic IN/LINE IN: 2.5VDC plug-in power Audio line output Mini-jack (Monaural), Max output level: 1 Virms General Weight 3 lb 1 oz (1400g) Weight 3 lb 1 oz (1400g) Dimensions Ø 6 5/8 x 4 3/4 inches (166 x 119 mm) Power equirements PoE, AC24V/D C12V x AC24V operation required with heater Power consumption 29 W Max. Storting temperature AC24V/DC12V :-4 °F to +122 °F (-20 °C to +50 °C) Morking temperature AC24V/DC12V :-2 °F to +122 °F (-30 °C to +50 °C) PoE (IEEE802.3dt) : 14 °F to 122 °F (-10 °C to +50 °C) Storage temperature AC 24V/DC12V :-2 °F to +122 °F (-30 °C to +50 °C) Vandal resistant IK10 Sofety regulation UL2044, FCC 15B Class A, IC Class A, ICC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Sofar® Ver. 4.0 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)	Sensor input	xl
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Weight 3 lb 1 oz (1400g)		Mini-jack (Monaural), Max output level: 1 Vrms
Dimensions g 6 5/8 x 4 3/4 inches (166 x 119 mm)		
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Starling temperature		
PoE (IEEE802.3af): 32 °F to 122 °F (30 °C to 50 °C) Working temperature		
Working temperature AC24/VDC12V : -22° Ft o + 122° F (-30°C to +50°C)*4 PoE (IEEE802.3q) : 14° Ft o 122° F (-10°C to +50°C) Storage temperature -4° Ft o + 140° F (-20°C to +60°C) Ingress protection IP66 Vandal resistant IK10 Sofety regulation UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Safar® Ver. 4.0 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)	Starting temperature	ACZ4V/DC12V :-4 °F to +122 °F (-20 °C to +50 °C)
PoE (IEEE802, 3af): 14 °F to 122 °F (-10 °C to +50 °C) Storage temperature -4 °F to +140 °F (-20 °C to +60 °C) Ingress protection IP66 Vandal resistant IK10 Safety regulation UL2044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)	Working temperature	
Ingress protection IP66 Vandal resistant IK10 Safety regulation UL2044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Safar® Ver. 4.0 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)		PoE (IEEE802.3af) : 14 °F to 122 °F (-10 °C to +50 °C)
Vandal resistant IK10 Safety regulation UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)		
Safety regulation UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tic System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 G8 or more Wicrosoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver.3.5 (Plug-in free viewer only) Safar® Ver.4.0 (Plug-in free viewer only) Googl® Chrome Ver.4.0 (Plug-in free viewer only)		
System Requirements Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Safar® Ver. 4.0 (Plug-in free viewer only) Googl® Chrome Ver. 4.0 (Plug-in free viewer only)		
Operating system Microsoft Windows XP™, Windows Visto™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 CHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)		UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Safar® Ver. 4.0 (Plug-in free viewer only) Googl® Chrome Ver. 4.0 (Plug-in free viewer only)		
Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Sofari® Ver. 4.0 (Plug-in free viewer only) Google® Chrome Ver. 4.0 (Plug-in free viewer only)		
Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10 Firefox® Ver. 3.5 (Plug-in free viewer only) Safari® Ver. 4.0 (Plug-in free viewer only) Googl® Chrome Ver. 4.0 (Plug-in free viewer only)		
Firefox® Ver. 3.5 (Plug-in free viewer only) Safari® Ver. 4.0 (Plug-in free viewer only) Googl® Chrome Ver. 4.0 (Plug-in free viewer only)		
Safari® Ver.4.0 (Plug-in free viewer only) Google® Chrome Ver.4.0 (Plug-in free viewer only)	Web browser	
Google® Chrome Ver. 4.0 (Plug-in free viewer only)		Firefox® Ver.3.5 (Plug-in free viewer only)
	Supplied Accessories	Coogle Chilothic Fet.4.0 (Flughil fied Viewer Chily)
	odpolica Accessories	CD-ROM (User's Guide, SNC Toolbox), Installation manual, Wire rope, M4 screw, Warranty Booklet, Template

 $^{^{*1}}$ VE off mode only. *2 View-DR off mode only. *3 Removable IR Cut Filter. *4 With a built-in heater.

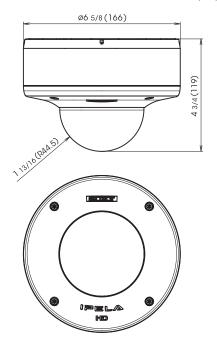
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SYSTEM CONFIGURATIONS



DIMENSIONS

Unit: inches (mm)



Optional Accessory		
Model		
UNI-MDB3	GOOSENECK WALL Mount (includes Pendant Cap)	
UNI-WMB4	GOOSENECK WALL Mount (without pendant cap)	
UNI-MDPDH180	PENDANT CAP ONLY	
UNI-WMBB1	CONDUIT BOX	
UNI-CMA1	CORNER ADAPTER	
UNI-PMA1	POLE ADAPTER	
YT-ICB45	RECESSED BRACKET - Flush mount	

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