

Super LoLux HD Network
Dome Camera (Vandal Resistant)

VN-H257U

IR on/off

3D Noise Reduction

CLVI

Privacy Mask

Display Mode

Megapixel

H.264HP

Bi-directional Audio

Vandal Resistant

Triple Stream



SuperLoLux HD™

- ▶ Super LoLux HD CMOS sensor 2.2 Megapixel
- ▶ H.264 High profile Super LoLux HD™ DSP
- ▶ Full HD 1920 × 1080 H.264 High profile, MPEG-4 and Motion JPEG Multi codec
- ▶ Built-in 3.0x variable focal length auto iris lens (f = 3.0mm to 9.0mm)
- ▶ 30 fps Full HD H.264 High profile/VGA MPEG-4, or 15 fps Full HD Motion JPEG distribution
- ▶ SLL HD – Super LoLux HD™ sensitivity: 0.15 lx F1.2 (colour mode), 0.025 lx F1.2 (B&W mode)
- ▶ Day/Night surveillance with auto IR cut filter on/off
- ▶ C.L.V.I. – Clear Logic Video Intelligence technology for wide dynamic range and anti fog
- ▶ 3D noise reduction (3DNR)
- ▶ Partial resizing and digital PTZ function
- ▶ Installer friendly remote focus adjustment function
- ▶ Fine focus adjustment and triple axis rotation mechanism
- ▶ Vandal resistant dome cover
- ▶ Password protection and IP address filtering
- ▶ Bi-directional audio communication
- ▶ Built-in intelligent motion detection
- ▶ Built-in intelligent audio detection
- ▶ Trigger input Alarm terminal (input × 2, output × 2)
- ▶ 20 simultaneous users, unlimited users by multicasting
- ▶ Simultaneous analogue video output
- ▶ Active tampering alarm by impact and blockage detection
- ▶ Full-time SD recording
- ▶ ONVIF/PSIA protocol support
- ▶ PoE and 24VAC power supply selectable

SuperLoLux HD Network
Dome Camera (Vandal Proof)

VN-H257VPU

IR on/off

3D Noise Reduction

CLVI

Privacy Mask

Display Mode

Megapixel

H.264HP

Bi-directional Audio

Vandal Proof

IP66

Triple Stream



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- ▶ H.264 High profile Super LoLux HD™ DSP
- ▶ Full HD 1920 × 1080 H.264 High profile, MPEG-4 and Motion JPEG Multi codec
- ▶ Built-in 3.0x variable focal length auto iris lens (f = 3.0mm to 9.0mm)
- ▶ Outdoor-ready vandal and tamper proof structure complies with IP66
- ▶ 30 fps Full HD H.264 High profile/VGA MPEG-4, or 15 fps Full HD Motion JPEG distribution
- ▶ SLL HD – Super LoLux HD™ sensitivity: 0.15 lx F1.2 (colour mode), 0.025 lx F1.2 (B&W mode)
- ▶ Day/Night surveillance with auto IR cut filter on/off
- ▶ C.L.V.I. – Clear Logic Video Intelligence technology for wide dynamic range and anti fog
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Colour Camera

Monitor

Network Camera

Recorder

System Information

Technical Information

Glossary

VN-H257U

VN-H257VPU

Camera

Image device	1/3 type CMOS	1/3 type CMOS
Number of effective pixels	2,120,000 (1,944 H × 1,092 V)	2,120,000 (1,944 H × 1,092 V)
Minimum illumination (typical) < B & W mode >	0.3 lx (50%, F1.2, AGC HIGH) 0.15 lx (25%, F1.2, AGC HIGH) < 0.05 lx (50%, F1.2, AGC HIGH) >	0.3 lx (50%, F1.2, AGC HIGH) 0.15 lx (25%, F1.2, AGC HIGH) < 0.05 lx (50%, F1.2, AGC HIGH) >
Iris control	DC iris	DC iris
White balance	ATW/AWC	ATW/AWC
Wide dynamic range function	C.L.V.I.	C.L.V.I.
Backlight compensation	Yes (4 patterns)	Yes (4 patterns)

Lens

Lens mount	—	—
Focal length < angle of vision >	3.0 mm to 9.0 mm, 3.0x vari-focal	3.0 mm to 9.0 mm, 3.0x vari-focal < 103 °(H) × 56 °(V) to 35 °(H) × 20 °(V) >
Max. aperture ratio	F1.2	F1.2
Angle adjustment range	Horizontal: 350°, Vertical: ±80°, Rotation: ±100°	Horizontal: 350°, Vertical: ±80°, Rotation: ±100°
IR-LED	—	—

General

SD card recoding	Yes	Yes
Alarm I/O	Input × 2, Output × 2	Input × 2, Output × 2
Monitor output	Composite video signal: 1.0 V (p-p), PAL/NTSC (RCA)	Composite video signal: 1.0 V (p-p), PAL/NTSC (RCA)
Audio communication	Line in/Line out	Line in/Line out
Power supply	24 VAC (50 Hz/60 Hz) /48 VDC (PoE)	24 VAC (50 Hz/60 Hz) /48 VDC (PoE)
Power consumption	6.5W (PoE)	0.5 A (24 VAC) /135 mA (PoE)
Operating temperature range < recommended >	-10 °C to 50 °C < 0 °C to 40 °C >	-10 °C to 50 °C < 0 °C to 40 °C >
Dust and water protection	—	—
Dimensions (W × H × D)	ø 111 mm × 117 mm (H)	ø 160 mm × 125 mm (H)
Weight (approx.)	800g	1.3 kg

Network

Network interfaces	RJ-45 (Cat 5): 10 BASE-T/100 BASE-TX	RJ-45 (Cat 5): 10 BASE-T/100 BASE-TX
Protocol	TCP/IP, UDP/IP, FTP, ICMP, ARP, DHCP, SNMP, HTTP, DSCP, SMTP, RTP, IGMP, IPv6, HTTPS, SNMP, ONVIF, PSIA	TCP/IP, UDP/IP, FTP, ICMP, ARP, DHCP, SNMP, HTTP, DSCP, SMTP, RTP, IGMP, IPv6, HTTPS, SNMP, ONVIF, PSIA
Picture Resolution (pixel)	All compression: 320 × 240, 640 × 480 Motion JPEG/H.264 only: 1,280 × 720, 1,280 × 960, 1,920 × 1,080	All compression: 320 × 240, 640 × 480 Motion JPEG/H.264 only: 1,280 × 720, 1,280 × 960, 1,920 × 1,080
Compression	Motion JPEG, H.264 (High/Baseline), MPEG-4	Motion JPEG, H.264 (High/Baseline), MPEG-4
Frame rate	30 fps H.264 (1,920 × 1,080), 30 fps MPEG-4 (640 × 480), 10 fps Motion JPEG (1,920 × 1,080)	30 fps H.264 (1,920 × 1,080), 30 fps MPEG-4 (640 × 480), 15 fps Motion JPEG (1,920 × 1,080)
Audio compression	µ-law 64 kbps mono AD/DA 16-bits	µ-law 64 kbps mono AD/DA 16-bits
Internal storage capacity	16 MB (RAM)	16 MB (RAM)
Access protection	3 levels password, IP address filtering	3 levels password, IP address filtering
Motion detection	Yes	Yes
Web server	Yes	Yes
Data transmission	Unicast/Multicast	Unicast/Multicast

System requirement (recommended)

OS	Windows Vista Business (SP2), Windows XP pro (SP3), Windows 7 pro	Windows Vista Business (SP2), Windows XP pro (SP3), Windows 7 pro
CPU	Core 2 Duo (3 GHz)	Core 2 Duo (3 GHz)
Memory	More than 2 GB	More than 2 GB
HDD space	More than 1 GB	More than 1 GB
Display/Video card	1,024 × 768 pixels, true colour (24-bit or 32-bit)	1,024 × 768 pixels, true color (24-bit or 32-bit)