Panasonic

HD Dome Network Camera WV-SC384



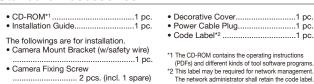
HD/1,280 x 960 H.264 PTZ Dome Network Camera.

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- 18x optical zoom. 36x extra optical zoom at VGA resolution with 8x digital zoom enabling 288x zoom.
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function: 0.6 lx (Color), 0.5 lx (B/W) at F1.6 (Wide)
- Adaptive Digital Noise Reduction: 2D-DNR and 3D-DNR integration ensures reduced noise and motion blur in various conditions.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / Fixed electronic shutter Outdoor / Indoor: Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level. Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- Panning with auto flip function can be performed 0 to 360 degrees.
- PTZ control can be taken on the user friendly GUI with 16 speeds pan/tilt and new "Drag and Zoom" operation enabling finer control.
 256 speeds available for system with WV-CU950 system controller.
- Up to 64 preset positions
- 360 map shot: 8 thumbnail images at 45 deg. intervals make it simple to direct the camera easily by clicking on a thumbnail.
- Industrial grade Pan/Tilt/Zoom mechanism for high reliability
- VMD (Video Motion Detector) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.

- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- JPEG image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC) * Installation required except for English
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- ONVIF compliant model

Standard Accessories



Optional Accessories



^{*} Not compatible with optional accessories of conventional cameras

Specifications

TV System
Effective Pixels Approx. 1.3 megapheel
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Auto Mode Auto pan / Preset sequence / 360 map-shot / Preset map-shot Image Hold ON / OFF PTZ Position Display ON / OFF Self Return 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 6 Pan/tilt flip *1 ON / OFF Map Shot 360 map shot / preset map shot 360 map shot / preset map shot Pan/Tilt flip *1 ON / OFF Map Shot 360 map shot / preset map shot Pan/Tilt fli6 steps), Zoorm, Focus, Click centering, Drag zoom, Iris Preset position call and program, Auto mode Spot, Quad: Image from 16 cameras can be displayed in 4 different 0, screens or 16 split screen (JPEG only), 20 characters camera title avail Up to 20 characters (alphanumeric characters, marks), Character size: Clock Display Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual// Alarm Control Reset One Shot Capture A still picture will be displayed on a newly opened window. Audio Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Mi
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Par/tilt filp *1
Map Shot 360 map shot / preset map shot
Browser GUI Camera Control Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom, Iris Preset position call and program, Auto mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Quarter of the Clock Display Up to 20 characters (alphanumeric characters, marks), Characters camera title avail Quarter of the Clock Display Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/A Alarm Control Reset One Shot Capture Audio Astili picture will be displayed on a newly opened window. Audio Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: On / Orf Middle / High Audio Output: On / Orf Audio Output: On /
Preset position call and program, Auto mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Qu screens or 16 split screen (JPEG only). 20 characters came at title avail Camera Title Up to 20 characters (alphanumeric characters, marks), Character size: SCIOck Display Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/A Alarm Control Reset One Shot Capture A still picture will be displayed on a newly opened window. Audio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High SD Memory Data Download GUl/Setup Menu Language English, French (Installation required for French) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory card can be downlow) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs Supported OS Microsoft® Windows® 18, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® 18, Microsoft® Windows® 10, Microsoft® Nimows® 10, Microso
Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Quarter of 6 spils screen (JPEG only). 20 characters camera title avail Camera Title Up to 20 characters (alphanumeric characters, marks), Character size: 1 Clock Display Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/P Alarm Control Reset One Shot Capture A still picture will be displayed on a newly opened window. Audio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High SD Memory Data Download GUI/Setup Menu Language English, French (Installation required for French) Installation required for French) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs Supported OS Microsoft® Windows® 1, Microsoft® Windows® XP SP3 Windows® Internet Explore® 10,0 (32 bit)Windows® Internet Explore® 9.0 (32
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Camera Title Up to 20 characters (alphanumeric characters, marks), Character size: S
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Alarm Control Reset
One Shot Capture A still picture will be displayed on a newly opened window. Audio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High SD Memory Data Download GUI/Setup Menu Language English, French (Installation required for French) (Installation required except for English) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory card can be downlow) (Installation required for French) (Installation required for French) (Installation required except for English) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs Windows® Internet Explorer® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® Internet Explorer® 9,0 (32 bit)Windows® Internet Explorer® 9,
Audio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: ON / OFF Volume adjustment: Low / Middle / High Audio Output: On / Output: Outpu
Audio Output: ON / OFF Volume adjustment: Low / Middle / High SD Memory Data Download Sill or motion images recorded in the SDHC/SD memory card can be download GUI/Setup Menu Language English, French (Installation required for French) English, French, Italian, Span German, Russian (Installation required for French) English, French, Italian, Span German, Russian (Installation required for French) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG), error logs Supported OS Microsoft® Windows® 8, Microsoft® Windows® XP SP3 Windows® Internet Explore® 10,0 (32 bit), Windows® XP SP3 Windows® Internet Explore® 8, 0 (32 bit), Windows® Internet Explorer® 9,0 (3 Windows® Internet Explorer® 6,0 SP3 Windows® Internet Explorer® 7,0 (32 Microsoft® Windows
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SD Memory Data Download Still or motion images recorded in the SDHC/SD memory card can be download GUI/Setup Menu Language English, French English, French English, French English, French System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs Supported OS Microsoft® Vindows® 8, Microsoft® Vindows® 78, Micros
GUI/Setup Menu Language English, French (Installation required for French) English, French, Italian, Span German, Russian (Installation required for French) German, Russian (Installation required except for English)
System Log
Resolution
System Log
Recording format is set to JPEG, lerror logs
Recording format is set to JPEG, lerror logs
Supported OS Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, Microsoft® Windows® XP SP3
Microsoft® Windows Vista®, Microsoft® Windows® XP SP3
Supported Browser
Windowse Internet Explorer® 6.0 (32 bit), Windowse Internet Explorer® 7.0 (32 microsoft® Internet Explorer® 6.0 SP3 microsoft® Internet Explorer® 6.0 SP3
Microsoft® Internet Explorer® 6.0 SP3
Microsoft® Internet Explorer® 6.0 SP3
Network F 10Base-T / 10DBase-TX, RJ-45 connector Image Resolution 4 : 3 MPEG-4: VCA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VCA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VCA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VCA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VCA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 240, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (640 x 360) / 320 x 180, up to 30 fps MPEG-4: VCA (740 x 360) / 320 x 180, up to 30 fps M
Image Resolution 4: 3 MPEG-4: VGA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VGA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG-4: VGA (640 x 480) / OVGA (320 x 240), up to 30 fps MPEG (MJPEG): 1,280 x 960 / 640 x 480 / 320 x 240, up to 30 fps MPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps MJPEG (MJPEG): 1,280 x 720 / 640 x 360
Resolution [4 : 3]
"2 "3
Aspect ratio:
16 : 9 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps
Tansmission Mode
H.264/
MPEG-4 Frame Rate
2 Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192 kbps / Unlimited * H.264 mode Only Image Quality LOW NORMAL / FINE Refresh Interval 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s Transmission Type UNICAST / MULTICAST Image Quality (MJPEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayin both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Half duplex) / Interactive (Half and Factor of Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unit Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP, DNS, RTP, RTP, RTP/RTCP, IPP/ITTP, LTPPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP
A,096 / 8,192* kbps / Unlimited * H,264 mode Only Image Quality LOW / NORMAL / FINE Refresh Interval 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s Transmission Type UNICAST / MULTICAST UNICAST / MULTICAST MULTICAST Transmission Interval Transmission Interval O.3 sUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps (M,PEG) Transmission Interval O.1 fps - 30 fps (JPEG frame rate will be restricted when displayin both JPEG and H,264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) input / Audio output / Interactive [Full duther interaction for Audio Cuevel 1 only / Level 2 higher / All users Cuevel 1 only / Level 2 higher / All users Cuevel 1 only / Level 2 higher / All users Supported Protocol IPe6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMP, DNF HTPCP, UDP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RT
Image Quality LOW / NORMAL / FINE Refresh Interval 0.2 s / 0.2 s / 0.2 s / 0.3 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s Transmission Type UNICAST / MULTICAST JPEG Image Quality OSUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps (M.PEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayir both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) jnut / Audio outly / Interactive (Half duplex) / Interactive (Full duth) Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,1928 kbps / Unlif Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R
Image Quality LOW / NORMAL / FINE Refresh Interval 0.2 s / 0.2 s / 0.2 s / 0.3 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s Transmission Type UNICAST / MULTICAST JPEG Image Quality OSUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps (M.PEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayir both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) jnut / Audio outly / Interactive (Half duplex) / Interactive (Full duth) Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,1928 kbps / Unlif Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R
Refresh Interval 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / 2 s / 3 s / 4 s / 5 s Transmission Type UNICAST / MULTICAST UNICAST / U
Transmission Type UNICAST / MULTICAST JPEG Image Quality 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps (MJPEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayin both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode 0Ff / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full d Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 38 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP/RTCP,
JPEG Image Quality 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps (MJPEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayir both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) jnu/ 1 Audio output / Interactive (Half duplex) Interactive (Full data Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlife Supported Protocol IPG-TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPV4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R
(MJPEG) Transmission Type PULL / PUSH Transmission Interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displayir both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps Audio Mode OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full d Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP
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both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps
both JPEG and H.264/MPEG-4 images.) Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps
Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, 6.711 64 kbps Audio Mode OFF / Mic (Line) input / Audio output / Interactive (Half dupley) / Interactive (Full dupley) Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
Audio Mode OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full d Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP/RTCP,
Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DN IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DH IPv4: TCP/IP, UDP/IP, HTTPS, RTSP, RTSP, RTP/RTCP,
Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DH IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
IPv4: TCP/IP, UDP/IP, HTTPS, RTSP, RTP, RTP/RTCP,
FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP
FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmi
is failed, backup on an optional SDHC/SD memory card is available.)
Multi-Screen Up to 16 camera images can be displayed simultaneously on
a multi-screen. (Including the camera itself)
a mail establis (moraling the earnest teen)

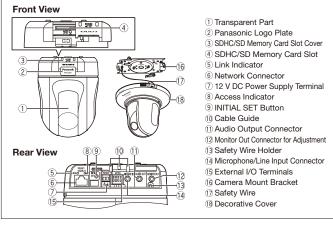
- All TV pictures are simulated. Masses and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations. All product pictures are NTSC models.

TV System		NTSC	PAL	
Network	Maximum Concurrent Access Number	Up to 14 (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (PRE/Post) / Schedule REC		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure		
	, ,	Compatible SD (SDHC) card: Panasonic 256 MB, 512MB, 1GB,		
		2 GB, 4 GB*, 8 GB*, 16GB*, 32GB* model *SDHC card		
	Cellular Phone Compatibility	JPEG image, panning / tilting / zoom control, AUX control (by access level)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm		
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser,		
		Camera positioning, Preset position 1 ~ 64, FTP image transfer,		
		Terminal output, Panasonic protocol output		
	Alarm Log	With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs		
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refresh,		
		H.264 recording		
Input /	Monitor Output	1.0 V [p-p] / 75 Ω, NTSC composite,	1.0 V [p-p] / 75 Ω, PAL composite,	
Output	(for adjustment)	ø3.5 mm mini jack	ø3.5 mm mini jack	
	Microphone/Line Input	ø3.5 mm monaural mini jack, Input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
		Output impedance: Approx. 600 Ω, Line level		
	External I/O Terminals	ALARM IN 1, ALARM IN 2 / ALARM OUT, ALARM IN 3 / AUX OUT (x1 each)		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),		
		C-UL (CAN/CSA C22.2 No.60065),	EN55024), GOST (GOST R 51558)	
		DOC (ICES003 ClassA)		
	Power Source/	12 V DC, PoE (IEEE802.3af compliant)		
	Consumption	12 V DC : 690 mA, PoE 48 V : 10 W / 190 mA (Class 0 device)		
	Ambient Operating	–10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90% or less (whitout condensation)		
	Dimensions	ø115 mm x 155 mm (H) (ø4-17/32" x 6-3/32" (H)) (excluding the 12 V DC power cord plug)		
	Mass (approx.)	900 g (1.99 lbs.)		

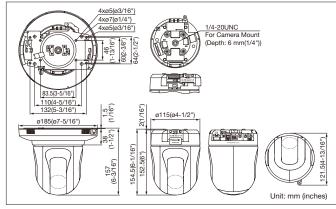
^{*1} The pan/tilt-flip function cannot be activated by clicking live images. When the zoom ratio is adjusted to the "TELE" side, images will be partially hidden even if the pan/tilt-flip function is activated.

2 H.264 and MPEG-4 are alternative. "3 [4:3] and [16:9] are alternative.

Part Names and Functions



Appearance



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- UniPhier is a registered trademark of Panasonic Corporation.
 "i-PRO SmartHD" logo is trademarks or registered trademarks of Panasonic Corporation.
- ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
 Panasonic cannot be responsible for the performance of the network and/or other manufacturers'
- products used on the network.

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