Panasonic BUSINESS

AW-HE38HW/HK [HDMI Model]

HD Integrated PTZ Camera

For indoor use





Full HD camera with integrated pan-tilt for lectures, meetings and a wide variety of applications.

The integrated full HD camera AW-HE38HW/HK performs in a wide variety of onsite shooting applications that require high-quality video, such as conferences, lecture capture and other events, thanks to its high-performance zoom, wide angle of view and outstanding color reproducibility.

In addition to IP video transmission, support for PoE+*1 enables power to be supplied via a LAN cable*2. The result is installation flexibility. It also supports HD-IP video output, output of video and audio via USB, and SD card recording.

Developed 1/2.3-type MOS Sensor

Equipped with a developed 1/2.3-type MOS sensor and DSP (Digital Signal Processor) for high sensitivity and high resolution.

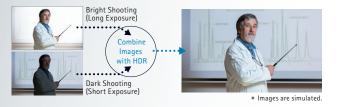
High Performance Optical 22x Zoom Lens/ Super Resolution 30x Zoom

In addition to a 22x optical zoom, the AW-HE38HW/HK can zoom up to 30x while maintaining high resolution thanks to Super Resolution technology. It also features a 16x digital zoom*3 and a 1.4x digital extender, which enables the AW-HE38HW/HK to shoot in large conference halls and classrooms.



Equipped with High Dynamic Range (HDR) Mode

In addition to conventional Dynamic Range Stretch (DRS) and Digital Noise Reduction (DNR), the AW-HE38HW/HK is newly equipped with High Dynamic Range (HDR) mode. When shooting and synthesizing two images with differing exposure times, the AW-HE38HW/HK can create video with high visibility that corrects for halation and black defects even under backlit conditions.



Outputs Still Image During Preset Movements; Supports One-Camera Operations

The new Freeze During Preset function enables to freeze the video during preset playback. The immediately preceding still image is output during preset movements so that the swiveling movement is not displayed, making operations possible with one camera.

With Freeze During Preset function OFF and ON

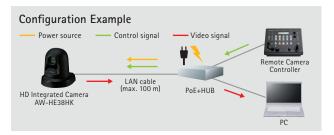


Audio Input Function

The AW-HE38HW/HK also supports audio input, embedding and encoding. Audio output to IP is also supported. The ALC (Audio Automatic Level Control) in the original AW-HE38HW/HK can be switched ON/OFF and an equalizer function can be used. By reducing low-frequency sound from air conditioners, projectors, and other devices, it is possible to emphasize and increase the clarity of the spoken words.

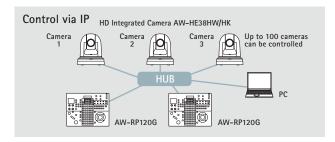
Supporting PoE+*1 for Lower Installation Costs

By connecting network devices that support the IEEE802.3at PoE+ standard, power can be supplied via LAN cable. Since it is not necessary to install a power supply or even a local AC outlet, installation costs can be significantly reduced.



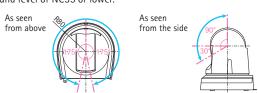
Flexible IP Control Architecture Simplifies System Design and Operation*4

Up to 100 x AW-HE38HW/HK cameras can be controlled via IP from a single AW-RP120G/RP50 or PC. An AW-HE38HW/HK can also be simultaneously controlled by up to five AW-RP120G/RP50's via IP.



Exceptional Pan-tilt Performance for Smooth Shooting Over a Wide Area*5

The pan range of ± 175 ° and the tilt range of -30 ° to +90 ° cover a wide shooting area*5. Pan and tilt operate at a maximum speed of 90°/second and respond quickly to remote control operation. They operate quietly at a sound level of NC35 or lower.



^{*1:} Abbreviation of Power over Ethernet Plus. *2: The software for the AW-HE38HW/HK may need to be updated depending on the existing software version. For details, see the Panasonic website (https://pro-av.panasonic.net/). *3: Picture quality is lower with the digital zoom. *4: Controller upgrade required. For details, please refer to the "service and support" section on the Panasonic website (https://pro-av.panasonic.net/). *5: Depending on the position of the pan and tilt, the unit itself may be reflected in the image.

NDI HX Compatibility for Excellent Video Streaming Quality

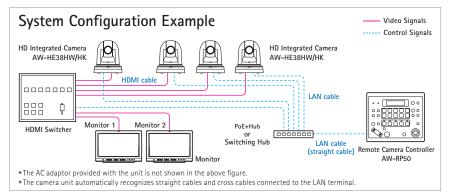
The AW-HE38HW/HK can be upgraded to an NDI|HX compatible model if purchasing a license from the NewTek website (https://www.newtek.com/ndi/). Highly efficient NDI|HX compatibility enables excellent broadcast streaming by encoding and transmitting high-quality video in real time. This technology eliminates the need for IP decoders, allowing input to be sent directly to the switcher. * Contact your local Panasonic vendor for further information.



Specifications As of February, 2018

Specifica										As of February, 20	
GENERAL	Power requirements		DC 12 V (Supplied AC adaptor) DC 42 V to 57 V (PoE+ power supply)			Output format			1080:59.94p/50p 1080:59.94i/50i 1080:29.97p/25p 1080:29.97Psf/25PsF 720:59.94p/50p		
	Current consumption		1.2 A (Supplied AC adaptor) 0.4 A (PoE+ power supply)					HD			
	Ambient operating temperature		0 °C to 40 °C (32 °F to 104 °F)								
	Storage temperature		-20 °C to 50 °C (-4 °F to 122 °F)			Synchronization system		Internal synchronization			
	Allowable humidity ranges		20 % to 90 % (no condensation)				[USB connection] * This may vary depending on the operating environment.				
	Mass		Approx. 1.5 kg (3.30 lb)			Video output USB Video Class Ver1.0					
			160 mm x 186 mm x 166 mm			Video compres	sion format	Motion JPE			
	Dimensions (W x H x D) Finish		(6-5/16 inches x 7-41/128 inches x 6-1/32 inches) [excluding protrusions, direct ceiling mount bracket] [AW-HE38HW] Pearl white, [AW-HE38HK] Metallic black AW-RP50, AW-RP120G, AK-HRP200G			Resolution Frame rate		1920 x 1080, 1280 x 720, 640 x 360 max 30 fps (System frequency 59.94 Hz) max 25 fps (System frequency 50 Hz)			
						Audio outout					
	Controller supported*1					Audio output		USB Audio Class Ver1.0			
INPUT	Power		DC 12 V IN, PoE+ (IEEE802.3at standard)			Audio compression format		Linear PCM, 48 kHz, 16-bit, 2 channels			
	Mic/line input Output		Stereo mini-jack (ø3.5 mm) Input impedance: Approx. 2 k Ω (unbalanced) [Mic input] Supported microphones: Stereo mic (plug-in power, on/off switching via menu) Supplied voltage: 2.5 V \pm 0.5 V Mic input level: -60 dBV \pm 3 dBV [Line input] Input level: -10 dBV \pm 3 dBV [AW-HE38HW/HK] HDMI connector			Supported models [Pan-tilt head unit]		Devices standardly equipped with a USB 2.0 compatible port			
						Installation method		Stand-alone (Desktop) or suspended (Hanging)*4			
						Pan/tilt operation speed		Maximum speed during preset: 300°/s Maximum speed during manual: 90°/s			
						Panning range		±175°			
						Tilting range		-30° to 90°*5			
OUTPUT	Video	HDMI	* HDCP is r	not supported. * VIERA Link is not su etor for IP control (RJ-45)	ipported.		Quietness			et: NC40 or less ual: NC35 or less	
INPUT/ OUTPUT		LAN	Equipped with straight/crossover cable auto detection function		tection function	FUNCTIONS	[Camera/pa	n-tilt head	d control]	control]	
	Input/ Output connector	RS-232C	Mini DIN 8-	i DIN 8-pin (IN) Mini DIN 8-pin (OUT)			IP connecting cable			ecting through a hub:	
		RS-422	CONTROL IN RS422A (RJ-45) Mini-B port			AND			LAN cable*6 (category 5 or above),max. 100 m (328 ft) When using a PoE+ hub: LAN cable*6 (category 5e or above),max. 100 m (328 ft)		
	Connector	USB				PERFORMANCE					
	SD card		microSD card slot					When a hub is not used:			
	[Camera unit]							LAN cable*6 (category 5 or above),max. 100 m (328 ft)			
	Imaging sensors		1/2.3-type MOS			AW protocol connecting cable		LAN cable*6 (category 5 or above, straight cable), max. 1000 m (3280			
	Lens		AW-HE38HW/HK: Motorized 22x zoom, F1.6 to F4.3 [f=4.3 mm (11/64 inches) to 94.6 mm(3-23/32 inches); 35 mm (1-3/8 inches) equivalent: 31.6 mm (1-31/128 inches) to 705.0 mm (27-49/64 inches)]			Standard protocol connecting cable		Mini DIN 8-	pin cable, male		
						[SD card recording]					
	Focus		Switching between auto and manual Entire zooming range:1.2 m (3.94 ft)			SD card type			C (4 GB to 32 GB), micro SDXC (64 GB to 128 GB), 10 or higher		
	Focus distance		Wide end: 10 cm (0.33 ft)			System frequency		59.94 Hz/50 Hz			
	Color separation optical system		On-chip color filter system			Video compression format		MPEG-4 AV	C/H.264 High Profile		
	50.0411		0.7 lx (50 IRE, F1.6, 48 dB,1/60 without accumulation)			Audio compression format		AAC-LC (48	kHz, 16 bit, 2 ch, 128 kbps)		
	Minimum 59.94 Hz		0.35 lx (50 IRE, F1.6, 48 dB,1/30 with accumulation[Frame Mix 6 dB])			SD card recording		MPEG-4 AV	C file standard compliant (.MP4)		
	illumination	50 Hz	0.35 lx (50	0.7 Ix (50 IRE, F1.6, 48 dB,1/50 without accumulation) 0.35 Ix (50 IRE, F1.6, 48 dB,1/25 with accumulation[Frame Mix 6 dB]) 1000 TV lines Typ (Center area)			Recording format		1920 x 108	0/59.94p, 1920 x 1080/50p, 1920 x 1080/29.97p, 0/25p, 1280 x 720/59.94p, 1280 x 720/50p,	
									1280 x 720/29.97p, 1280 x 720/25p		
EUNICTIONS	Horizontal										
FUNCTIONS AND	Gain selecti	on*2		es Typ (Center area) to 48 dB (3 dB step)			[Network]				
FUNCTIONS AND PERFORMANCE	Gain selecti	on*2	Auto, 0 dB				[Network]	JPEG		360), QVGA (320 x 180) max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps	
AND -	Gain selecti	on*2	Auto, O dB	to 48 dB (3 dB step) dB, 12 dB, 18 dB, 24 dB				JPEG H.264	1920 x 108	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps	
AND -	Gain selecti Frame mix*	on*2	Auto, 0 dB Auto, Off, 6 During	to 48 dB (3 dB step) 1 dB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [59 dB Hz]			Resolution Supported		1920 x 108 1920 x 108 TCP/IP, UDP DHCP, DNS,	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //r, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPNP, ICMP, ARP, RTSPoverTCP,	
AND -	Gain selecti Frame mix*	on* ²	Auto, O dB Auto, Off, 6 During Full Auto	to 48 dB (3 dB step) 1 dB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [50 Hz] 1/50 to 1/2000 [50 Hz] 1/100, 1/250, 1/500, 1/1000, 1/201 1/4000, 1/250, 1/500, 1/1000, 1/201			Resolution	H.264	1920 x 108 1920 x 108 TCP/IP, UDP DHCP, DNS, RTSPoverHT TCP/IP, UDP	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPMP, ICMP, ARP, RTSPoverTCP, TTP, SSL(TLS), MultiCast/UniCast //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS,	
AND -	Gain selecti Frame mix*	on* ²	Auto, 0 dB Auto, Off, 6 During Full Auto During Auto During Manual	to 48 dB (3 dB step) dB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [50 Hz] 1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50 Hz] 1/100, 1/250, 1/500, 1/1000, 1/201 1/4000, 1/10000 [59.94 Hz] 1/120, 1/250, 1/500, 1/1000, 1/201 1/4000, 1/10000 [50 Hz]			Resolution Supported	H.264 IPv4 IPv6	1920 x 108 1920 x 108 TCP/IP, UDP DHCP, DNS, RTSPoverHT TCP/IP, UDP	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps 1/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPMP, ICMP, ARP, RTSPOVETCP, TTP, SSL(TLS), MultiCast/UniCast 1/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, (MLD), RTSPOVETCP, RTSPOVETHTTP, SSL(TLS), MultiCast/UniCast	
AND -	Gain selecti Frame mix*	on*2 3 hutter speed	Auto, 0 dB and Auto, 0ff, 6 During Full Auto During Auto During Auto During Manual	to 48 dB (3 dB step) dB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [50 Hz] 1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50 Hz] 1/100, 1/250, 1/500, 1/1000, 1/20 1/4000, 1/10000 [59.94 Hz]			Resolution Supported protocol i-OS, Android s	H.264 IPv4 IPv6 support for installati	1920 x 1080 1920 x 1080 TCP/IP, UDP DHCP, DNS, RTSPoverH1 TCP/IP, UDP NTP, ICMPv6 JPEG image on surface (H	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPnP, ICMP, ARP, RTSPoverTCP, TTP, SSL(TLS), MultiCast/UniCast //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, (MLD), RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCa display anging*7 / Desktop): 1	
AND -	Gain selecti Frame mix* Electronic s	on*2 3 hutter speed	Auto, 0 dB and Auto, 0ff, 6 During Full Auto During Auto During Auto During Manual 59.94 Hz: 50 Hz: 50.	to 48 dB (3 dB step) 1/30 to 1/2000 [59.94 Hz] 1/36 to 1/2000 [59.94 Hz] 1/56 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50 Hz] 1/50 to 1/2000 [50 Hz] 1/100, 1/250, 1/500, 1/1000, 1/200 1/4000, 1/10000 [59.94 Hz] 1/120, 1/250, 1/500, 1/1000, 1/200 1/4000, 1/10000 [50 Hz]			Resolution Supported protocol i-OS, Android : Mount bracket Drop-preventic	H.264 IPv6 support for installation wire (alrea	1920 x 108i 1920 x 108i TCP/IP, UDP DHCP, DNS, RTSPoverHI TCP/IP, UDP NTP, ICMPv6 JPEG image on surface (H dy attached t	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPnP, ICMP, ARP, RTSPoverTCP, TTP, SSL(TLS), MultiCast/UniCast //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, (MLD), RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCa display anging*7 / Desktop): 1 o the unit): 1	
AND -	Gain selecti Frame mix* Electronic s Synchro sea	on*2 3 hutter speed	Auto, 0 dB and Auto, Off, 6 During Full Auto During Auto During Manual 59.94 Hz: 50 Hz: 50 Off, Norma	to 48 dB (3 dB step) idB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [59.94 Hz] 1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [59.44 Hz] 1/50 to 1/2000 [59.94 Hz] 1/4000, 1/1000 [59.94 Hz] 1/120, 1/250, 1/500, 1/1000, 1/200 1/4000, 1/10000 [59.94 Hz] 59.94 Hz to 660.09 Hz 00 Hz to 570.12 Hz	00,	ACCESSORIES	Resolution Supported protocol i-OS, Android: Mount bracket prop-preventic Bracket mount	H.264 IPv6 support for installation wire (alreating screws (t	1920 x 1080 1920 x 1080 TCP/IP, UDP DHCP, DNS, RTSPoverHT TCP/IP, UDP NTP, ICMPv6 JPEG image on surface (H dy attached t ind-head) M4	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPRP, ICMP, ARP, RTSPoverTCP, TP, SSL(TLS), MultiCast/UniCast //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, (MLD), RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCa display anging*7 / Desktop): 1 othe unit; 1 x 10 mm: 4	
AND -	Gain selecti Frame mix* Electronic s Synchro sea Gamma White balar	on*2 3 hutter speed	Auto, 0 dB and Auto, Off, 6 During Full Auto During Auto During Manual 59.94 Hz: 50 Hz: 50 Off, Norma	to 48 dB (3 dB step) idB, 12 dB, 18 dB, 24 dB 1/30 to 1/2000 [59.94 Hz] 1/25 to 1/2000 [59.94 Hz] 1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50.12] 1/100, 1/250, 1/500, 1/1000, 1/201 1/4000, 1/10000 [59.94 Hz] 1/120, 1/250, 1/500, 1/1000, 1/201 1/4000, 1/10000 [50 Hz] 59.94 Hz to 660.09 Hz 00 Hz to 570.12 Hz I (Low, Mid, High), Cinema	00,	ACCESSORIES	Resolution Supported protocol i-OS, Android: Mount bracket Drop-preventii Bracket mount Main unit mou	IPv4 IPv6 support for installation wire (alreating screws (thing screws)	1920 x 108i 1920 x 108i 1920 x 108i TCP/IP, UDP DHCP, DNS, RTSPoverH1 TCP/IP, UDP NTP, ICMPv6 JPEG image on surface (H ddy attached t ind-head) M4 with flat was!	0, 1280 x 720, 640 x 360, 320 x 180 max.30 fps 0, 1280 x 720, 640 x 360, 320 x 180 max.60 fps //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, NTP, IGMP, UPnP, ICMP, ARP, RTSPoverTCP, TTP, SSL(TLS), MultiCast/UniCast //P, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, (MLD), RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCa display anging*7 / Desktop): 1 o the unit): 1	

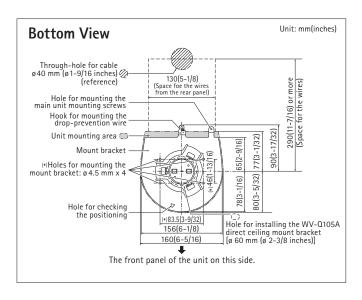
- *1: It may be necessary to upgrade the version of the controller so that the controller will support the unit. *2: During Auto, 6 dB to 48 dB (6 dB step) are available for AGC Max Gain setting. *3: During Auto, 0 dB, 6 dB, 12 dB and 18 dB are available for Auto F.Mix Max Gain setting. *4: To ensure safety, the unit must be secured using the mount bracket supplied. *5: Depending on the pan or tilt position, the camera may be reflected in the image. *6: Use of an STP (shielded twisted pair) cable is recommended. *7: To ensure more safety, AW-HE38HW/HK can be secured by using the direct ceiling mount bracket (WV-Q105A).





Other Functions

- Preset memory up to 100 positions.
- Functions such as freeze during preset, digital extender zoom and color temperature settings can be assigned to the user buttons on Panasonic
- Equipped with RS422 remote terminal; up to five units can be controlled via serial control from a controller.
- Equipped with RS232C remote terminal (standard serial communication support). Up to seven units can be controlled via daisy chain connection.
- Up to four units can be operated with a wireless remote controller (AW-RM50G sold separately).
- Easy installation thanks to use of turn-lock mechanism.



Optional Software

Auto Tracking Software Key AW-SF100/AW-SF200 2 Additional Licenses AW-SF202 3 Additional Licenses AW-SF203

- Motion detection and face detection technologies using video streaming from camera achieves smooth auto tracking regardless of where the person
- AW-SF100 allows a single PTZ camera to be controlled on either a stand-alone or web application version.
- AW-SF200 enables simultaneous auto tracking and centralized control of multiple cameras.*1

A 30-day free trial for Auto Tracking Software is available. Please see "Software Download" on the Panasonic website https://pro-av.panasonic.net/ for details

PTZ Control Center

- Intuitive GUI with the capability to control multiple cameras.
- Image quality adjustment and pan-tilt-zoom control on a GUI.
- Easy to recall presets by clicking preset buttons with thumbnails.



PTZ Virtual USB Driver

- High quality video perfect for web conferencing, utilizing a PTZ camera on the network as a USB camera.
- Automatic detection of connected cameras, and network settings supported.

System Camera Options

AV-HLC100

Live Production Center

Remote Operation Panel

(AC adaptor (DC12 V) is required separately.)

AK-HRP200G

Scheduled for release in the spring of 2018.



Control Assist Camera AW-HEA10W

Remote Camera Controller

AW-RP50

Wireless Remote Control AW-RM50G

("AA", "R6" or "LR6" battery x 2 are not included.)



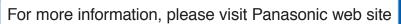
Control Assist Camera AW-HEA10K





As of February, 2018

Direct Ceiling Mount Bracket WV-Q105A





https://pro-av.panasonic.net/

*Specifications are subject to change without notice.

anasoni

Panasonic Corporation Connected Solutions Company

2-15 Matsuba-cho, Kadoma, Osaka 571-8503 Japan https://pro-av.panasonic.net/

[Countries and Regions]

+54 11 4122 7200 +61 (0) 2 9491 7400 +55 11 3889 4035 Argentina Australia Brazil +1 905 624 5010 +86 10 6515 8828 +852 2313 0888 Canada China Hong Kong Czech Republic +421 (0) 903 447 757 +45 43 20 08 57 +20 2 23938151 Denmark Egypt Finland, Latvia, Lithuania, Estonia

+358 (9) 521 52 53 France +33 (0) 1 47 91 64 00 Germany, Austria, Switzerland +49 (0) 6103 313887

+30 210 96 92 300 +36 (1) 382 60 60 +91 1860 425 1860 Greece Hungary India Indonesia +65 6277 7284

Iran (Vida) +98 21 2271463 (Panasonic Office)+98 2188791102 Ìtalv +39 02 6788 367 Jordan Kazakhstan +962 6 5859801 +7 727 298 0891 +82 2 2106 6641 Korea

+96 522431385 +96 11665557 +60 3 7809 7888 Kuwait Lebanon Malaysia Mexico +52 55 5488 1000 Mongolia +976 Netherlands, Belgium +976 70115577

gium +31 73 640 2729 +64 9 272 0100 +47 67 91 78 00 +92 21 111 567 111 New Zealand Norway Pakistan Palestine +972 2 2988750 Panama Philippines +507 229 2955 +65 6277 7284 +05 6277 7264 +48 (22) 338 1100 +351 21 425 77 04 ia, Bulgaria, Macedonia +40 (0) 729 164 387 +7 495 9804206 Poland Portugal Romania, Albai

Russia & CIS Saudi Arabia +966 (1) 4790499
Singapore +65 6277 7284
Slovak Republic, Croatia, Serbia, Bosnia, Montenegro, Slo

+421 (0) 903 447 757 +27 11 3131622 South Africa +34 (93) 425 93 00 Spain

+46 (8) 680 26 41 +886 2 2227 6214 +662 731 8888 Sweden Taiwan Thailand Turkey U.A.E. (for All +90 216 578 3700 +90 216 376 3700 ddle East) +971 4 8862142 +380 44 4903437 Ukraine +44(0)1344 70 69 13 +1 877 803 8492 +65 6277 7284 Vietnam



Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)