AM LID140

				tion System		
Power Require	ements	DC 12 V to 21.8 V (DC IN connector)	Synchronizat	tion System	Internal/External synchronization (BBS/Tri-level sync	
Tower nequin	cilicitis	DC 42 V to 57 V (PoE++ power supply)		Input impedance	High impedance	
Current Consu		3.1 A to 5.5 A (DC IN connector) 1.2 A (PoE++ power supply) -15 °C to 45 °C (5 °F to 113 °F)		Input	2 channels, XLR balanced input Input signal level: +4 dBu/0 dBu/-20 dBu (selectable in menu)	
Ambient Operating Tempera	g remperature	(preheating is required when -5 °C (23 °F) or less)	Line Input		Volume variable range: -40 dB to +12 dB (ca be changed in 1 dB steps in the menu)	
Ambient Operati	ng Humidity	10% to 100% (no condensation)	<audio< td=""><td></td><td>4 channels, superimposed over SDI output</td></audio<>		4 channels, superimposed over SDI output	
Storage Temp	erature	−20 °C to 55 °C (−4 °F to 131 °F)	IN(1/2)>		Embedded audio output level:	
Storage Humi	idity	10% to 95% (no condensation)		Output	FS-12 dB: -12 dBFS, FS-18 dB: -18 dBFS, FS-20 dB: -20 dBFS (selectable in menu)	
Mass		Approx. 9.0 kg (19.84 lb)		Output	Sampling frequency: 48 kHz (synchronized to video	
Dimensions (W	x H x D)	258 mm x 357 mm x 397 mm (10-5/32 inches x 14-1/16 inches x 15-5/8 inches) (including protrusions and cable cover)	lat		Quantization bit rate: 24-bit (LPCM) Audio compression format (IP): G.726, AAC-LC (High quality)	
Finish		Silver, salt resistant coating	Input	12V IN	XLR connector	
Waterproof and	Dust Proof	IP65 compliant		12V IIV		
Maximum Permissible Wind Speed Wiper		15 m/sec: Operates normally 50 m/sec: Operation possible 60 m/sec: No damage	Input Connector	G/L IN	BNC connector BBS (Black Burst Sync), tri-level sync supported Cocking to a subcarrier is not possible with BBS	
		Installed as standard	Audio inp		mini XLR connector (line input) #1: INPUT1 Common, #2: INPUT1 HOT, #3: INPUT1 COLI #4: INPUT2 Common, #5: INPUT2 HOT, #6: INPUT2 COLI	
Heater Defroster		Installed as standard Installed as standard	Out		" 312 Common, #3. Na 012 Hot, #0. Ha 012 COLL	
Dellostel		AW-RP120G, AW-RP50, AK-HRP200G	Output		CMDTF 404/CMDTF000 1	
Controller supported		It may be necessary to upgrade the version of the controller in order to support the unit. For details on upgrading, visit the support page on the	Video Output	3G/HD-SDI OUT	SMPTE424/SMPTE292 standards 75 Ω (BNC \times 2) \circ OSD output is possible from the SDI OUT 1/PM connector but not from the SDI OUT 2 connector	
		following website. (https://pro-av.panasonic.net/)	e. (https://pro-av.panasonic.net/) Input/Outpu			
Camera Unit					LAN connector for IP control/video output/Audio outpu	
Imaging Sens	ors	1/2.86-type Full-HD 3MOS	Input/	LAN	PoE++ power supply PoE++ (IEEE802.3bt Draft ver.2.0 standard)	
Lens		Optical 20x zoom/10x digital zoom, F1.6 to F3.4 (f=4.5 mm to 90 mm; 35 mm equivalent: 32.13 mm to 642.5 mm)	Output Connector	RS-422	CONTROL IN RS-422A	
Focus		Switching between auto and manual		EXT	#1: DC GND, #2: HOT, #3: COLD, #4: 12V-OUT	
Focus Distanc	e	Entire zooming range: 800 mm (2.62 ft) Wide end: 400 mm (1.31 ft)	Pan-tilt Hea	d Unit	Chard along (Dodders) as assessed at (Harrise)	
Color Separation C		3MOS	Installation Method		Stand-alone (Desktop) or suspended (Hanging) To ensure safety, the unit must be secured using the mour bracket supplied.	
Minimum IIIu		2 lx (50 IRE, F1.6, 36 dB, without accumulation)		ID	When connecting through a PoE++ hub:	
Horizontal Resolution Gain Selection		1000 TV lines Typ (Center area) Auto, 0 dB to 42 dB (1 dB steps) 37 dB to 42 dB is Super Gain Mode	Camera/ Pan-	IP connecting cable	I ANI coble*! (cotegony Ee or aboue ctraight coble) may 100 m (220 f	
Frame Mix		0 dB, 6 dB, 12 dB, 18 dB, 24 dB • This cannot be configured when the format is 1080/29.97p, 1080/23.98p, 1080/29.97PsF, 1080/23.98PsF, 1080/25psF.	tilt Head Control	AW series connecting cable/ standard protocol connecting cable	LAN cable*! (category 5 or above, straight cable) max. 1000 m (3280 ft)	
		When [Iris Mode] or [Focus Mode] is set to [Auto], this cannot be set to 18 dB or 24 dB.	Pan/Tilt Operation Speed		Maximum speed 60°/s or higher	
	59.94p / 59.94i	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	Panning Range Tilting Range Quietness		±175° • For suspended installations, the positions of the pin that determine the movement range must be changed	
	29.97p	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000			-30° to 210° Depending on the pan or tilt position, the camer may be reflected in the image. For suspended installations, the positions of the pin	
Electronic Shutter	23.98p	1/24, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000				
Speed	50p / 50i	1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000			that determine the movement range must be changed 60°/s (NC45 or less)	
	25p	1/25, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	Vibration Correction		D.I.S.S. (Dynamic Image Stabilizing System)	
Synchro	59.94 Hz	60.15 Hz to 642.21 Hz (255 steps)	Standard Ac			
Scan	50 Hz	50.15 Hz to 535.71 Hz (255 steps)			m: 4, M8 washer: 4, Spring washer: 4, Cable cover:	
Gamma		HD, FILMLIKE1, FILMLIKE2, FILMLIKE3 0.30 to 0.75 (Manual setting)			set: 1, Drop-prevention wire: 1, Drop-prevention wi gonal socket, for unit) M4 x 10 mm: 1	
White Balance		AWB A, AWB B, ATW, 3200K, 5600K, VAR (2000K to 15000K)			twisted pair) cable is recommended.	
Chroma Amount Variability		OFF, -99% to 40%	When connecting directly to a controller without an Ethernet hub, use a cross cable			
	- 1					
Scene File		Scene1, Scene2, Scene3, Scene4				

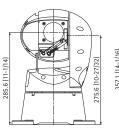
Synchronizat				
	ion System			
Synchronization System		Internal/External synchronization (BBS/Tri-level sync		
	Input impedance	High impedance		
Line Input	Input	2 channels, XLR balanced input Input signal level: +4 dBu/0 dBu/-20 dBu (selectable in menu) Volume variable range: -40 dB to +12 dB (cal be changed in 1 dB steps in the menu)		
<audio IN(1/2)></audio 	Output	• 4 channels, superimposed over SDI output • Embedded audio output levels 5-12 dB: -12 dBFS, FS-18 dB: -18 dBFS, FS-20 dB: -20 dBFS (selectable in menu) • Sampling frequency: 48 kHz (synchronized to video • Quantization bit rate: 24-bit (IPCM) • Audio compression format (IP): G.726, AAC-LC (High quality		
Input				
прис	12V IN	XLR connector		
Input Connector	G/L IN	BNC connector BBS (Black Burst Sync), tri-level sync support Locking to a subcarrier is not possible with B		
Connector	Audio input	mini XLR connector (line input) #1: INPUT1 Common, #2: INPUT1 HOT, #3: INPUT1 COLD #4: INPUT2 Common, #5: INPUT2 HOT, #6: INPUT2 COLD		
Output				
Video Output	3G/HD-SDI OUT	SMPTE424/SMPTE292 standards 75 Ω (BNC x 2) • OSD output is possible from the SDI OUT 1/PM connector but not from the SDI OUT 2 connector.		
Input/Output				
Input/	LAN	LAN connector for IP control/video output/Audio outp PoE++ power supply PoE++ (IEEE802.3bt Draft ver.2.0 standard)		
Output Connector	RS-422	CONTROL IN RS-422A		
connector	EXT	#1: DC GND, #2: HOT, #3: COLD, #4: 12V-OUT		
Pan-tilt Head	1.1124			
ran-tilt ricat		Stand-alone (Desktop) or suspended (Hanging) • To ensure safety, the unit must be secured using the moun		
Installation N	Nethod	bracket supplied.		
Camera/ Pan-	IP connecting cable	bracket supplied. • When connecting through a PoE++ hub: LAN cable" (category 5e or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used:		
Camera/	IP connecting	bracket supplied. • When connecting through a PoE++ hub: LAN cable" (category 5e or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used:		
Camera/ Pan- tilt Head	IP connecting cable AW series connecting cable/ standard protocol connecting cable	bracket supplied. • When connecting through a PoE++ hub: Alv cable" (category 5e or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used: LAN cable" (category 5 or above, straight cable) max. 100 m (328 ft) LAN cable" (category 5 or above, straight cable), max. 100 m (328 ft)		
Camera/ Pan- tilt Head Control	IP connecting cable AW series connecting cable/ standard protocol connecting cable tion Speed	bracket supplied. • When connecting through a PoE++ hub: LW cable** (category 5e or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used: LAN cable** (category 5 or above, straight cable) max. 100 m (328 ft) LAN cable** (category 5 or above, straight cable), max. 1000 m (328 ft) Maximum speed 60°/s or higher ±175° • For suspended installations, the positions of the pins		
Camera/ Pan- tilt Head Control	IP connecting cable AW series connecting cable standard protocol connecting cable stion Speed	bracket supplied. • When connecting through a PoE++ hub: LAN cable* (category 5 or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used: LAN cable* (category 5 or above, straight cable) max. 100 m (328 ft) LAN cable* (category 5 or above, straight cable), max. 1000 m (328 ft) Maximum speed 60°/s or higher ±175° • For suspended installations, the positions of the pins that determine the movement range must be changed -30° to 210° • Depending on the pan or tilt position, the camera may be reflected in the image. • For suspended installations, the positions of the pins		
Camera/ Pan- tilt Head Control Pan/Tilt Opera Panning Rang	IP connecting cable AW series connecting cable standard protocol connecting cable stion Speed	bracket supplied. • When connecting through a PoE++ hub: LAN cable* (category 5 or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used: LAN cable* (category 5 or above, straight cable) max. 100 m (328 ft) LAN cable* (category 5 or above, straight cable), max. 1000 m (328 ft) Maximum speed 60°/s or higher ±175° • For suspended installations, the positions of the pins that determine the movement range must be changed -30° to 210° • Depending on the pan or tilt position, the camera may be reflected in the image. • For suspended installations, the positions of the pins		
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Camera/ Pan- tilt Head Control Pan/Tilt Opera Panning Rang Tilting Range	IP connecting cable AW series connecting cable/ standard protocol connecting cable/ standard protocol connecting cable standard protocol connecting cable standard protocol connecting cable can be consected as the connecting cable can be connected as the cap can be connected as the cap can be connected as the cap can be captured as the captured captured can be captured as the captured captu	bracket supplied. • When connecting through a PoE++ hub: UN colber" (category 5c or above, straight cable), max. 100 m (328 ft) • When a PoE++ hub is not used: LAN cable*1 (category 5 or above, straight cable) max. 100 m (328 ft) LAN cable*1 (category 5 or above, straight cable), max. 100 m (328 ft) Maximum speed 60°/s or higher ±175° • For suspended installations, the positions of the pins that determine the movement range must be changed -30° to 210° • Depending on the pan or tilt position, the camera may be reflected in the image. • For suspended installations, the positions of the pins that determine the movement range must be changed.		

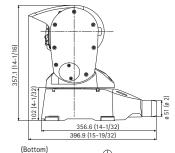
Dimensions

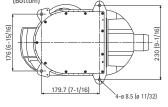
(Front)

Unit: mm(inches)

(Side)





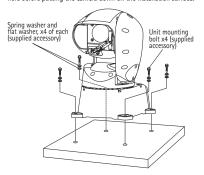


Rear View



Mounting the camera to the installation surface

When fixing directly to the installation surface Pass the cables through the bottom wiring hole or side wiring hole before putting the camera down on the installation surface.



Pin Configuration

RS-422 Connector <RS-422>

This RS-422 connector (RJ45) is connected when exercising serial control over the unit from an external device. Use a cable with the following specifications for the connection to this connector. The tally lamp can be lit by shorting the TALLY signal (pin 2) with GND (pin 1).

Do not apply a voltage to the TALLY signal pin.

LAN cable*1(category 5 or above, straight cable), max. 1000 m (3280 ft) * Use of an STP (shielded twisted pair) cable is recommended.



Pin NO.	Signal	Pin NO.	Signal
1	GND	5	TXD+
2	TALLY	6	RXD+
3	RXD-	7	-
4	TXD-	8	_

AUDIO IN Connector [AUDIO IN]

External audio (LINE) input connector



Amphenol LTW TECHNOLOGY CO., LTD.

Pin NO.	Signal
1	INPUT1 Common
2	INPUT1 Hot
3	INPUT1 Cold
4	INPUT2 Common
5	INPUT2 Hot
6	INPUT2 Cold
	•

12 V IN Connector



HA16RA-4P (77) (Hirose Electric Co.)

Pin NO. Signal GND 2 +12V

EXT Connector [EXIT]

Output connector for washer control and DC 12 V



5	H
0A-7R-4SC (73)	_
se Electric Co.)	

HR10 (Hiro:

Pin NO. Signal GND Hot 2 Cold 3 DC 12V OUT