

Remote Camera System – Specifications & Dimensions

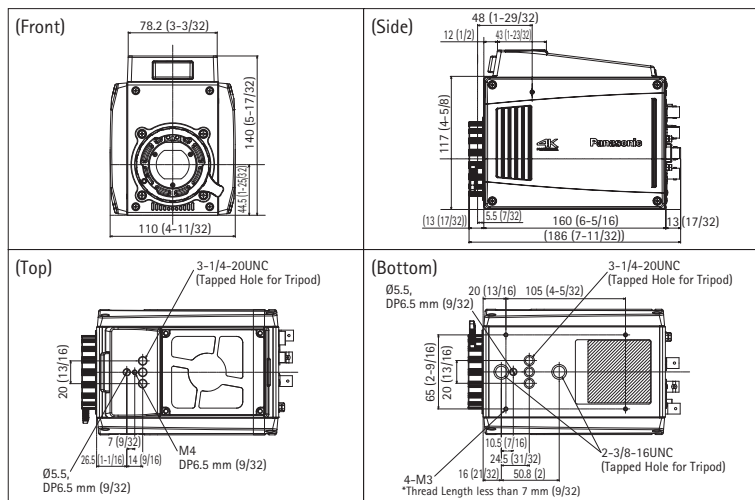
AK-UB300GJ

General	
Power	DC12 V (DC11 V to 17 V)
Power Consumption	40 W (body only, when 3G SDI x 4 is output) 60 W (maximum power when all accessories are connected and each output terminal is outputting at maximum)
Ambient Operating Temperature	−10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0 °C (32 °F) or below)
Storage Temperature	−20 °C to 60 °C (−4 °F to 140 °F)
Ambient Operating Humidity	85% or less (relative humidity)
Weight	Approx. 1.6 kg (3.53 lbs.) (body only)
Dimensions (W x H x D)	Body only 110 mm x 140 mm x 160 mm (4-11/32 inches x 5-17/32 inches x 6-5/16 inches) (excluding protrusions)
Camera Unit	
Pickup Device	11 million pixels, MOS x 1
Lens Mount	2/3-type bayonet
ND filter	CLEAR, 1/4, 1/16, 1/64
Gain	−6, −3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36 dB
Total Gain	Selectable from 6, 12, 18, 24 dB
Shutter Speed	• [59.94i]/[59.94p] mode: 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [29.97p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [23.98p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [50i]/[50p] mode: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [25p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg
Synchro Scan Shutter	
• [59.94i]/[59.94p] mode: 1/61.7 to 1/6130 seconds • [29.97p] mode: 1/30.9 to 1/2600 seconds • [23.98p] mode: 1/24.7 to 1/2880 seconds • [50i]/[50p] mode: 1/51.5 to 1/6250 seconds • [25p] mode: 1/25.7 to 1/3130 seconds	
Shutter Open Angle	
3 deg to 359.5 deg (can be set in 0.5 deg steps)	
Sensitivity	
[NORMAL]: F6 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i)/F7 (2000 lx, 3200 K, 89.9% reflection, 1080/50i) [HIGH SENS]: F10 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i)/F11 (2000 lx, 3200 K, 89.9% reflection, 1080/50i)	
Minimum Subject Brightness	
Approx. 0.01 lx (50%, F1.4, +36 dB (gain), +24 dB (total gain), 29.97p/59.94 Hz, 25p/50 Hz)	
Image S/N	
60 dB (standard) ([DNR] = [ON])	
Horizontal Resolution	
HD: 1000 TV lines or above (center) UHD: 1800 TV lines or above (center)	
Video Input/Output	
[HD SDI OUT 1] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
[HD SDI OUT 2] Terminal	BNC x 1 1.5G HD SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI OUT 1] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI OUT 2] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI OUT 3] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI OUT 4] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
Other Input/Output	
[G/L IN] Terminal	BNC x 1, 1.0 V [p-p], 75 Ω
[I/F] Terminal	D-SUB x 1, 15-pin
[TALLY OUT] Terminal	4-pin x 1
[IRIS] Terminal	12-pin x 1
[ZOOM/FOCUS] Terminal	12-pin x 1
[LAN] Terminal	100BASE-TX/10BASE-T
[DC IN] Terminal	XLR x 1, 4-pin, DC12 V (DC11 V – 17 V)

*For informations on "Supported formats", see page 31.

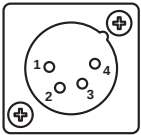
Dimensions

Unit: mm(inches)



Pin Configuration

DC IN connector



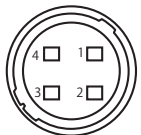
HA16RA-4P(77) (Hirose Electric Co.)

Pin NO.	Signal
1	UNREG GND
2	Not used
3	Not used
4	+12 V

* Use the external power supply with correct polarity.

Tally output connector

The R tally and G tally signals are output from this connector.

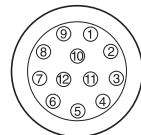


HR10A-7R-4SC (73) (Hirose Electric Co.)

Pin NO.	Signal
1	GND
2	R TALLY (open collector)
3	G TALLY (open collector)
4	UNREG+12 V (max. 0.5 A)

IRIS connector

Used to connect the IRIS control cables of the lens.

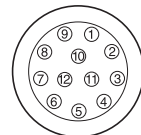


HR10A-10R-12SC (71) (Hirose Electric Co.)

Pin NO.	Signal
1	Return control
2	REC-START/STOP
3	GND
4	Iris manual switching
5	Iris control
6	UNREG +12 V (max. 0.75 A)
7	IRIS-POSI
8	IRIS-G-MAX
9	EXT-POSI
10	Zoom position information
11	LENS-RXD
12	LENS-TXD

Zoom/focus connector

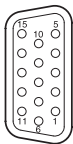
Used to connect the Zoom/focus control cables of the lens.



HR10A-10R-12PC (71) (Hirose Electric Co.)

Pin NO.	Signal
1	Focus control switching
2	Zoom control switching
3	GND
4	Not used
5	Not used
6	Not used
7	Not used
8	Focus control
9	Zoom control
10	Not used
11	COM+V voltage
12	COM-V voltage

IF connector



D02-M15SAG-20L9E (Japan Aviation Electronics Industry)

Pin NO.	Signal
1	GND
2	Not used
3	Not used
4	TX_N (EIA422)/TXD (EIA232) output
5	RX_N (EIA422)/RXD (EIA232) input
6	Not used
7	G/L signal input
8	Not used
9	TX_P (EIA422) output
10	RX_P (EIA422) input
11	GND
12	Not used
13	GND
14	GND
15	GND

Rear View

