

Preliminary

## 360-degree Uncompressed Video 4K Output (2:1 Equirectangular format)



The 360-degree Live Camera generates 2:1 equirectangular format 360-degree video by stitching the output of four cameras. This 360-degree video can give you the feeling of being at a variety of scenes, such as live broadcasts of sports, concerts, and other stadium events.

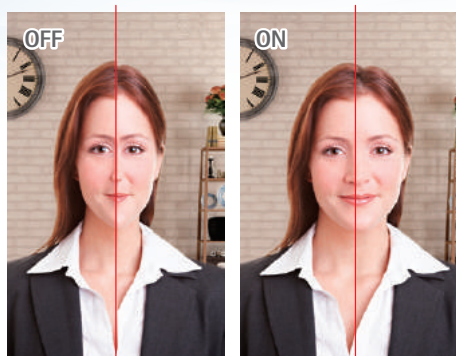
The 4K (3840×1920) high image quality provides the immersiveness as if you were there. There is also a high level of operability, with natural images matched to the environment being generated by automatically controlling the exposure and white balance of the output of four cameras without a PC. In addition, seamless video can be generated because the high-precision "Real-time active stitching function" continuously changes the stitching position by automatically detecting a subject at the seam.

Real-time video transmission is possible because 4K/30p high-resolution video is generated with low latency. Easy installation and uninstallation at a shooting site makes operation even more flexible. Not only is this system capable of monitoring and changing configuration remotely with a PC via network, but also it allows for control from iPad in a Wi-Fi environment. Furthermore, the 360-degree Live Camera is designed for professional use, offering the high reliability with the features that suit their smallest needs such as prevention of unexpected cable removal.

# 360-degree Live Camera

## Real-time Active Stitching Function

Seamless video is generated by automatically detecting the object at the seam and continuously changing the stitching position.



## Coordinated Exposure and White Balance Adjustment Function

Natural images are generated by automatically controlling four camera's exposure and white balance to match the shooting environment.



AE/ATW  
Coordinated control



## AW-360C10 [360-degree Live Camera Head]

General		
Power Requirements	DC 12 V (11 V to 17 V)	
Power Consumption	11 W (TBD)	
Operating temperature	0°C to 40°C	
Weight	620g (TBD)	
Dimensions (W x H x D)	96 mm x 180 mm x 96 mm (TBD) (3-25/32 inches x 7-3/32 inches x 3-25/32 inches)	
Camera Unit		
Sensor	1/2.3" type MOS x 4	
Lens	Fixed focal length SuperFishEye F2.4, f=1.83mm	
Interfaces		
Input/Output Connector	HDMI out	Type D x4
	Power	Camera head option cable
	SD card slot	micro SD card slot (for firmware upgrade)
Others		
Switches	POWER, FUNC	
LED	POWER, ALM	
Internal microphone	4ch.	

## AW-360B10 [360-degree Live Camera Base Unit]

General		
Power Requirements	DC12 V (11 V to 17 V)	
Power Consumption	40 W (TBD, including camera head output)	
Operating temperature	0°C to 40°C	
Weight	1100g (TBD)	
Dimensions (W x H x D)	210 mm x 55 mm x 200 mm (8-9/32 inches x 7-7/8 inches x 2-3/16 inches) (TBD)	
Output		
HDMI Output	Stitching Format	2:1 Equirectangular
	Resolution	3840 x 1920/1920 x 960
	Frame Rate	29.97p/25p/59.94p/50p
Interfaces		
HDMI in	Type A x4	
HDMI out	Type A x1	
Power for camera head	Camera head option cable	
DC in	XLR 4pin	
LAN	RJ45 (for monitoring and control)	
SD card slot	SD card slot (for firmware upgrade)	
Others		
SW	POWER, FUNC	
LED	POWER, ALM	
Network Functionality		
Compression	Motion JPEG	
Resolution	1240 x 620, 920 x 460	
Max. connections	Max.4	
Standard protocols	IPv4 TCP/IP, HTTP	

\* Specifications are subject to change without notice.

# Panasonic®

Panasonic Corporation  
Connected Solutions Company

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

### [Countries and Regions]

Argentina	+54 11 4122 7200
Australia	+61 (0) 2 9491 7400
Brazil	+55 11 3889 4035
Canada	+1 905 624 5010
China	+86 10 6515 8828
Hong Kong	+852 2313 0888
Czech Republic	+421 (0) 903 447 757
Denmark	+45 43 20 08 57
Egypt	+20 2 23938151
Finland, Latvia, Lithuania, Estonia	+358 (9) 521 52 53
France	+33 (0) 1 47 91 64 00
Germany, Austria, Switzerland	+49 (0) 6103 313887
Greece	+30 210 96 92 300
Hungary	+36 (1) 382 60 60
India	+91 1860 425 1860
Indonesia	+65 6277 7284
Iran (Vida)	+98 21 2271463
(Panasonic Office)	+98 2188791102
Italy	+39 02 6788 367
Jordan	+962 6 5859801
Kazakhstan	+7 727 298 0891
Korea	+82 2 2106 6641

Kuwait	+96 522431385
Lebanon	+96 11665557
Malaysia	+60 3 7809 7888
Mexico	+52 55 5488 1000
Mongolia	+976 70115577
Netherlands, Belgium	+31 73 640 2729
New Zealand	+64 9 272 0100
Norway	+47 67 91 78 00
Pakistan	+92 21 111 567 111
Palestine	+972 2 2988750
Panama	+507 229 2955
Philippines	+65 6277 7284
Poland	+48 (22) 338 1100
Portugal	+351 21 425 77 04
Romania, Albania, Bulgaria, Macedonia	+40 (0) 729 164 387
Russia & CIS	+7 495 9804206
Saudi Arabia	+966 (1) 4790499
Singapore	+65 6277 7284
Slovak Republic, Croatia, Serbia, Bosnia, Montenegro, Slovenia	+421 (0) 903 447 757
South Africa	+27 11 3131622
Spain	+34 (93) 425 93 00

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



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