DATASHEET AV-CM41-VCUC-B

Avonic Video Conference Camera Black

The Avonic AV-CM41-VCUC is a high-quality USB video conferencing PTZ camera with IP-control and a discrete design. The CM41-VCUC, with its versatile horizontal FOV of 70.4° and flexible 12x optical zoom range, is suitable for meeting rooms of all sizes, from small huddle rooms up to large board rooms. This easy to use USB video conference camera has a plug-and-play design and can easily be controlled with the handheld IR remote. The camera has extremely silent mechanical Pan/Tilt/Zoom and can either be mounted on the wall or the ceiling. Due to the high SNR CMOS sensor in the CM41-VCUC it's possible to obtain a pristine video quality even under low light conditions, making it ideal for every conference room. Easily create high-quality video that feels like you are together in the same room.

Features

Lens	High-quality glass lens, 12x optical zoom and 70.4° horizontal Field of View.
Low light	High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.
Full HD 1080p30	With 1/2.8"high-quality CMOS sensor (2.07 Megapixel) the camera has a resolution of 1920 x 1080p30and achieves a picture of great quality.
Output	USB 2.0 up to 1080p30.
Control	Control the camera with common protocols: VISCA , Visca over IP, Pelco-D/P via RS232, RS485 or IR, remote control included.
Presets	Up to 255 presets with 0.1° accuracy.

Applications

- Education
- Churches
- Video Conferencing
- Healthcare
- Broadcasting
- Courtroom
- Live Events
- And more

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SPECIFICATIONS

Camera

Resolution	1080p30
Video Systems	1080p30 16:9/720p30 16:9/ 576p30 16:9/ 540p30 16:9/ 360p30 16:9/ 180p30 16:9/ 768p30 16:9/ 600p30 4:3/ 480p30 4:3
Sensor	1/2.8'' CMOS, 2.07mp, 16:09
Shutter	Auto, Manual
Scanning mode	Progressive, Interlaced
Zoom/Aperture/Focal lenght	12x optical/ F1.8-F11/ 3.9-46.8 mm
Minimal Illumination	0.5 (F1.8, AGC On)
White Balance	Auto, Manual, OnePush, 3000K-7000K in steps of 500K
Backlight Compensation	supported
Digital Noise Reduction	2D & 3D DNR
Signal Noise Ratio	>55 dB
Horizontal FoV wide ~ tele	70.4° ~ 6.6°
Vertical FoV wide ~tele	42.4° ~ 3.7°
Horizontal rotation	-170° ~ +170°
Vertical rotation	-30° ~ +90°
Pan speed range	0.1 ~ 120°/s
Tilt speed range	0.1 ~ 70°/s
PTZ speed mode (high/low)	Supported
PTZ preset speed	Configurable
H&V image flip	Supported
Number of presets	255
Preset accuracy	0.1

Input / Output Interface

USB output	1080p30 USB2.0
Network interface	RJ45 for IP control and FW update
IP control protocol	VISCA OVER IP
Serial communication	RS232 8DIN + RS485 2pin Phoenix
Control	UVC, IR Remote, IP, Serial
Control protocol	VISCA (over Serial), PELCO-P, PELCO-D

General Specifications

Input voltage	12V
PoE	No PoE
Power consumption	12W
Power supply	12V2A
Power connector	EIAJ-3 - Philmore 275 screw lock
Operating temperature	-5°C ~ 40°C
Storage temperature	-20°C ~ 60°C
Operating humidity	20% ~ 95% non-condensing
Bottom fastening screw thread	1/4" 20 UNC
Color	Black
Dimensions product wxhxd	133x180x153mm
Weight product	1.6 kgs
Dimensions box	27 x 25 x 23 cm
Weight box	2.5 kg
Included	power adapter, remote control, RS232 cable, USB2.0 cable (A-A), RS485 connector

Back of the camera

Markings