

DATASHEET CM22-VCU

4K USB3.0 Huddle Camera with HDMI Output

The Avonic CM22-VCU boasts a 4K wide-angle lens up to 120 degrees FOV that makes sure you can capture all attendees. It's Smart automatic and fully user configurable modes guarantee crystal clear video even under the most challenging light conditions. Built in dual microphones allow for high quality audio capture.

A true integration product with a discrete design and flexible mount developed for PRO-AV installations. It can be easily mounted either on top of or below a screen for optimal line of sight during a meeting. The mount can be used in combination with modern thin-bezel screens.

Designed to last the CM22-VCU comes with 3 year warranty.



Features

Lens:	Auto focus lens with 120° Horizontal FOV.
Crystal Clear Image:	4K Progressive CMOS sensor 2160P ultraHD
Output:	HDMI and USB3.0 up to 4K30 or 1080p30 when using USB 2.0
Presets:	10 user definable preset with Digital Pan Tilt and Zoom including startup preset
Audio:	Built in noise cancelling microphones with 4 meter pickup range.
Control:	Control the camera via any UVC based videoconference application or the included IR remote control.
Mount:	The camera comes with an included detachable integration mount with the ability to secure and mount the camera above or below a screen.

Applications

- Education
- Desktop Video Conferencing
- Medium Size Meeting Rooms
- And more
- Telemedicine
- Small Size Meeting Rooms
- Huddle Rooms

SPECIFICATIONS

Camera

Resolution	Up to 4Kp30
Video Systems HDMI	2160p/30, 1080p30, 1080i60, 1080i50
Video Systems USB	2160/p30, 1080p/30, 720p/30, 160x120, 176x144, 320x240, 352x288, 640x480, 750x576, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x272, 424x240, 320x180p30.
Sensor	1/2.5" CMOS, 8.51 MP
Shutter	1/30s ~1/10000s
Scanning mode	Progressive
Lens	f=2.8mm, 120° FoV
Zoom	8x (digital only)
Minimal Illumination	0.05 LUX
White Balance	Auto, Outdoor, Indoor, Manual, OnePush, Variable 2500K-8000K in steps of 100K
Backlight Compensation	present, but limited functionality
Lens Distortion Correction	present
Digital Noise Reduction	2D & 3D DNR
Signal Noise Ratio	>55 dB
Horizontal Field of View	120°
Vertical Field of View	67.5°
H&V image flip	supported
Number of presets	10 (0~9)
Preset accuracy	0.1
Microphones (active on USB)	2
Microphones pick up range	4 meter

Back of the camera



Output Interface

HDMI output (video only)	version 1.4, 2160p30
USB output (microphone + video)	USB3.0, type B female, 2160p30 USB2.0 max. 1080p30
Control (protocol)	Standard UVC drivers in computer OS, IR Remote

General Specifications

Input voltage	5V (over USB)
Power consumption	4W
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 excl. mount and connectors. WxHxD (mm)	219x43x58mm
Dimensions product incl. mount. WxHxD (mm)	219x52x61~205mm (depth depends on mounting position)
Weight product	0.5 kgs
Dimensions box WxHxD (mm)	310 x 97 x 258
Shipping weight	1159 gram
In the box	1 x AV-CM22-VCU camera + adjustable mount 4 x USB psu (EU, UK, US, AUS) 1 x remote control CM-RC 1 x 1.8m USB 3.0 A to B cable 1 x lens cap 1 x quick guide

Markings

