

Field of application and characteristics

The dAV-Cr-4K camera is used for visual and acoustic monitoring of test objects during EMC tests. It has, among other things, a built-in mono microphone and can be adjusted with buttons on the back of the housing or by remote control from the control room. The 4K resolution enables high-quality DUT evaluation. Due to the optical signal transmission and the shielded housing, the camera is ideally suited for EMI and EME tests.



Technical data

General data:	sensor:	1/1,8" 4K CMOS sensor (8,41 millions of effective pixels)
	zoom:	18x (f/1,61) optical, 12 digital
	resolution:	3840x2160p30
	opening angle:	58,5° (wide angle) to 3,7° (tele end)
Optical transmission:		digital, FSMA multimode (62,5/125 µm)
Microphone:		internal, mono
Power supply:		external battery pack (2 included for continuous measurements) NiMH-battery with 10 cells; 12 V, 4 Ah, approx. 8 - 10 h (standard) 2 different lengths of shielded cable (e.g. 0,4 m and 1,4 m)
	case:	approx. 136 mm x 86 mm x 65 mm; aluminum case with rubber protectors
	weight:	approx. 1000 g
	or	shielded power supply (110 V - 230 V) for wall mount application
Case dimensions:		approx. 135 mm x 80 mm x 80 mm incl. connectors and switches, aluminum case
Weight:		approx. 800 g
Mounting:		1/4" tripod socket at case bottom, other threads available
Misc.:		remote control of all camera functions and optional pan- / tilt unit LED lights for short range illumination Receiver channels can be combined with Full-HD in tabletop (dAV-Rr-TT) or 19" housing (dAV- Rr-19") robust against EMS up to 200 V/m and 18 GHz
Available options:		pan- / tilt unit (PT-02 or PT-03) High RF shielding > 200 V/m up to 40 GHz (option -HiRF)