

AVT EMC 4K MiniCam

High resolution (UHD) Camera
especially for EMC- und test laboratories,
and general applications



Fully compatible with Rohde & Schwarz
AdVISE visual inspection software



- ⇒ **4K Camera** for EMC labs and test fields with high interference immunity
- ⇒ different resolutions selectable (640 x 360 up to 3840 x 2160)
- ⇒ selectable compression standard
- ⇒ selectable frame rate (up to 60 fps)
- ⇒ high quality Sony sensor (IMX317)
- ⇒ USB Video Class (UVC) compliant
- ⇒ data transmission with optical fibers (USB 3.0)
- ⇒ small housing in slim design
- ⇒ high field immunity > 100 V/m
- ⇒ options:
- ⇒ integrated rechargeable battery (5 Ah)
- ⇒ optic lens for different angles
- ⇒ higher interference immunity

MADE IN GERMANY

Ordering informations

AVT - EMC4K - 022 - x - A

emc hardened
4K MiniCam

focal length
022: 2,2 mm

version
01: first version

internal battery
-: without battery
A: with battery

Example: AVT-EMC4K-22-01

Technical specifications

Optics

focal length	2,2 mm ± 5%
focus distance	0,6 m ... ∞
field of view	120° (diag.) / 112° (hor.) / 75° (ver.)
optical format, sensor	1/2,5", CMOS Sony IMX317

Resolutions

small size (below HD)	640x360, 640x480, 800x600, 960x540
HD-resolutions	1280x720, 1280x 960, 1600x1200, 1920x1080
2K-resolutions	2048x1536, 2688x1512, 2592x1944
4K-resolution	3840x2160 (pixel size 1,62 µm x 1,62 µm)
frame rates	30 fps (all resolutions), 60 fps (FHD in MJPEG)

General informations

USB video class compliant	yes, Microsoft WHQL certified
temperature operating range	-10°C ... 50°C
length of fiber optic cable	10 m, 20 m, 30 m, 50 m, 70 m, 100 m
data- and control interface on PC/Laptop	USB 3.0 (plug A)

Electrical specifications

	min	max
supply voltage (DC, 5 V typ.)	4,85 V	5,25 V
power (camera without battery charging)	0,6 W	2,6 W
current (operation / charging battery / operation and charging)	0,11 / 0,0 / 0,11 A	0,52 / 2,0 / 2,52 A
delivery of power supply / charger / external battery	yes / sold as option / sold as option	

Dimensions

Length of the camera without connectors	126 mm
Width	50 mm
Height (with foot)	50 mm (60 mm)
Weight	370 g

Contact

Errors and changes excepted.

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