

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 and other



- ⇒ **4K Camera** for EMC labs and test fields with high interference immunity
- ⇒ different resolutions selectable (640 x 360 up to 3840 x 2160)
- ⇒ **Pan/Tilt/Zoom inside camera** controlled by software
- ⇒ 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 - 083 - x - A

emc hardened
4K MiniCam

focal length
022: 2,2 mm
083: 8,3 mm

version
01: version 1

internal battery
-: without battery
A: with battery

Example: AVT-EMC4K-83-01

Technical specifications

Optics

| | |
|------------------------|----------------------------|
| focal length | 2,2 mm / 8,3 mm |
| focus distance | 0,6 m / 1 m ...∞ |
| field of view | 120° (diag.) / 32° (diag.) |
| 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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