

AVT EMC 4K MiniCam

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



Fully compatible with different visual inspection
software and MiniCam programs



version 1



version 2



version 3

- ⇒ **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 and ext. Zoom acc. to lens
 - ⇒ easy to use in hardware and software
 - ⇒ high quality vision sensor
 - ⇒ 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

All options on: www.world-of-emc-equipment.com
(www.woeeq.com)

Ordering informations

AVT - EMC4K - xxx - X - X

emc hardened
4K MiniCam

focal length
032: 3,2 mm
045: 4,5 mm
068: 6,8 mm
120: 12,0 mm

version
01: version 1
02: Lens M12
03: Lens C/CS

internal battery
-: without battery
A: with battery

Example: AVT-EMC4K-120-01

Technical specifications

Optics	versions 2 and 3 acc. to lens			
focal length (only version 1)	3,2	4,5	6,8	12,0
field of view horizontal (only version 1)	103°	68°	48°	30°
field of view vertikal (only version 1)	70°	42°	28°	17°
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 (UHD)	3840x2160 (Pixel size 1,62 µm x 1,62 µm)			
frame rates	30 fps (all resolutions)			
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 and external lenses	126 mm			
Width	50 mm			
Height (with foot)	50 mm (60 mm)			
Weight (without external C/CS-Mount lens)	370 g			

Contact

Errors and changes excepted.

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