

Dynacom WH5K20

20 Megapixel Ultra High Resolution Camera

Dynacom WH5K20 series are high sensitive, low pixel noise and high resolution cameras perfectly suited for the security and surveillance market where every detail matters. The built-in multi view architecture technology (MVA) features simultaneous access to different regions-of-interest. ONVIF compliancy allows seamless integration with many (existing) video surveillance systems.



■ Key features

- 35mm Progressive CMOS Sensor
- 5120(H) x 3840(V) Active Pixels
- Multiple Stream JPEG2000 (cinema quality) + MJPEG + H.264
- 3D DNR,WDR,ICR
- Video Mask
- Auto Back Focus

■ Explanation

- **Wide Dynamic Range (WDR)**
 - Capture details in dark and bright areas
- **High Dynamic Range (HDR)**
 - Combining images with different exposure settings
- **Wide Focus Range (WFR)**
 - Sharp images, far and close distance
- **Motion Detection**
 - 16 independent free configurable areas,
 - Deliver Pre- and post- event images,
 - Due to low pixel noise more reliable in dark scenes,
- **Lens**
 - EF (SLR-style bayonet)
- **Global shutter**
 - No image skew, clear picture of fast moving objects
- **Video Formats**
 - JPEG2000 (cinema quality), MJPEG, H.264
- **Video Mask**
 - 4 Areas
- **Interface**
 - 100BASE-TX, ONVIF compliant
- **Light Sensitive**
 - Custom sensor,
 - 35mm full frame,
 - Very low pixel noise,
 - IR sensitive,
- **Ultra High Resolution**
 - 20 MP - 30 fps,
 - Live and retrospect PTZ,
- **Multi View Architecture (MVA)**
 - 25 cameras in one, each programmable on:
 - Up to 30fps and/or Motion Detection triggered,
 - Region Of Interest (View),
 - Light control (Exposure settings) (automatic / manual)
 - Focus,
 - Flash control (incl. IR),

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Camera		WH5K20
Image Sensor		35mm Progressive CMOS
Active Pixels		20M 5120(H) x 3840(V)
Minimum Illumination		0,002 lux (Full color) at F1.4
Dynamic range		66 dB
Image Rate		JPEG2000/MJPEG/H.264 20M @25/30 fps
Exposure control		
Shutter type		Electronic, global shutter
Exposure controllers		25
Each exposure controller specified by	Image rate	0.0001 up to 30 fps
	Shutter time	Automatic, programmable
	Iris control	DC-Iris / P-Iris
	Focus control	Programmable
	White balance	Programmable
	Noise Reduction	3D
	Flash unit selection	Max 2 separate flash units
Video Mask		4 Areas
Overlay / Privacy zones		
Type		Programmable (logo, camera name, privacy zones, etc.)
Motion Detection		
Motion detection units		16
Each motion detection unit specified by	Region of interest	Programmable
	Sensitivity	Programmable
	Threshold	Programmable
Extended communication interfaces		
CAN		1x
RS485		1x
Network interfaces		
Type		100BASE-TX
Connector		RJ-45
Protocol		IPv4, HTTP,TCP/IP, UDP/IP, ARP, RTSP, RTP, RTCP, IGMP, DHCP, NTP, ONVIF, Unicast and Multicast supported.
Built in Web Server		Support / Dynamic IP / Static IP
Power interfaces		
Source		12 - 48 VDC / PoE (IEEE 802.3af Class 3)
Average consumption		18W
Environmental		
Ambient air temperature		-20 °C to +60 °C
Storage temperature		-20 °C to +70 °C
Humidity		0 – 90%
Certification		CE, ROHS
EMC-Immunity		NEN-EN-IEC 61000-6-2: 2005-01
EMC-Emission		NEN-EN-IEC 61000-6-3: 2006
Mechanical		
Dimensions		117x105x96 (WxHxD) excluding lens
Weight		1.7 Kg
Mounting		6x M6
Indication		Status and Flash LED
Accessory		Bracket