

# HIGH TEMPERATURE CAMERA

## acqua<sup>tec</sup> High temperature Integrated Camera



ACQ07X007A/8A

### ACQUATEC Series

#### Functional description

With the D-WDR technology (Digital Wide Dynamic Range) Telea Tecnovision cameras allow to represent crisp images in the dark areas as well in areas of high brightness of the image. Thanks to the high resolution of the last generation sensor and to the combination with firmware developed specifically for the industrial sector, the images are clear, high-contrast and faithful in color, without any blooming or smear effect, even in difficult lighting conditions.

Appropriate factory settings (AE Presets) joined to a guide menu extremely convenient for the user, allow an easy and fast installation of the cameras and, consequently, with reduced costs, in each specific situation of surveillance and control.

ACQUATEC housings are endowed with high efficiency air cooling system allowing operation in temperatures to 90°C (≈194°F). They also are "pressurized": an integral compressed air system supplies clean air (or appropriate gas) for cooling and particulate removal from the lens. In such a way the lens doesn't require any expensive protection glass, crystal and protection porthole. A constant supply of clean air is essential for proper camera operation and protection: GFATEC series represent an effective filtration system able to remove contaminants and to provide high quality clean air in industrial environments.

ACQ07X007A/8A are completed with swivel bracket for wall mounting, interconnection kit, power supply box with input 96-264Vac and 12Vdc output for camera, all assembled and set in our factory in Italy.

Optional system accessories include pneumatic and electrical control cabinet (CABTEC series) and air cooler vortex.

The possibility to switch between PAL and NTSC signal formats, allowing the use of the cameras anywhere in the world.

AHD

2MP

D-WDR

OSD  
SUPPORT

AIR  
COOLED

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## Technical Specification

		ACQ07X007	ACQ07X008
IMAGE	System	PAL / NTSC	
	Sensor	1/3" progressive CMOS 2MP	
	Effective pixels	1944 x 1092p	
	Resolution	Full HD 1920x1080p @ 30fps 1956 x 1266 total pixels (2.47MP)	
	Sensitivity	Color: 0.09Lux (F1.2, 30IRE); B/W: 0.009Lux (F1.2, 30ITE)	
	Wide Dynamic Range	D-WDR	
	S/N ratio	52dB	
	Video Output	BNC (AHD, CVBS selectable)	
	Focal length	2.8 - 12 mm, F1-1.4	5 - 60 mm, F1-1.6
	OSD	16 languages	
FUNCTIONS	Day / Night	Auto (ICR) / External / Color / B/W	
	Image compensation	Off / BLC user / HLC	
	Wide Dynamic Range	D-WDR	
	Performance	SSNRIV, Defog, Motion detection, Privacy masking, etc.	
	Electronic Shutter	1 sec / 1/12.000 sec	
	Reverse	Off / Horizontal / Vertical / O+V	
	Alarms	(MD) output 1, D/N external 1	
	Remote control interface	Coaxial Control, RS-485	
	Protocols	Coax: NTSC/PAL - Samsung CCVC, Pelco-C, AHD - ACP ACP; RS-485: Samsung-T, Pelco D/P, Panasonic, Bosch, Honeywell, Vicon, GE, AD	
	Video transmission	500m	
	Camera name	Off / On (15 characters)	
	White balance	ATW / Internal / External / Manual / AWC	
	AIR for COOLING & CLEANING LENS	Connections	1/4" M BSPP
Temperature IN		40°C max	
Consumption		circa 3 Nm <sup>3</sup> /h	
Pressure IN		da 1 bar a 2 bar	
Quality		Instrumental Air ISO 8573-1 Classe 1.2.1	
ENVIRONM.	Operating temperature	-20°C ~ 90°C	
	Humidity	< 90%	
POWER SUPPLY	Input	IN: 96-264Vac, 50/60Hz; <5W	
FEATURES	Material	Housing	Stainless Steel AISI304
		JBX	Aluminum
	Dimensioni	Housing	internal Ø: 90 x 350 mm external dim.: (L)380 x (Ø)129 mm
		JBX	195 x 251 x 87 mm
	Interconnection kit	Galvanized steel wire braided sheath with cables inside L = 1,5 m	
	Mounting	Wall mounting bracket with swivel joint	
Weight	Total	14 Kg	



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