

HIGH TEMPERATURE CAMERA

acqua^{tec} High temperature Integrated Camera



ACQUATEC Series

ACQ07X007/8

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 “pressurised”: 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.

ACQ07X007/8 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 couler vortex.

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

AHD

2.1MP

WDR

OSD
SUPPORT

AIR
H2O

HIGH TEMPERATURE CAMERA

Technical Specification

		ACQ07X007	ACQ07X008	
IMAGE	System	PAL / NTSC		
	Sensor	1/3" progressive CMOS WDR, 2.1MP		
	Effective pixels	1944(H) x 1092(V) px		
	Resolution	Over 1000 HTVL		
	Sensitivity	0.05 Lux @ AGC on / Sens-up off / F1.2 Color to B/W		
	Wide Dynamic Range	WDR		
	S/N ratio	48dB (Typ) (Gamma, Aperture, AGC OFF)		
	Video Output	CVBS ratio 4:3 or HD-SDI		
	Focal length	2.8 - 12 mm, F1-1.4	5 - 50 mm, F1-1.4	
FUNCTIONS	ICR-Set control	Auto, Trigger-in, Smart-IR		
	Gain control	Auto		
	Exposure control	Auto / Manual / Iris priority		
	DNR control	Off / Low / Middle / High		
	Performance	Brightness, Sens-up, Level HLC, BLC, Auto Ect. XDR, Shading, Privacy Mask, Motion detection, etc.		
	Gamma correction	0.45 / 0.5 / 0.55 / 0.6 / 0.65		
WATER COOLING	Remote control interface	Coaxial Control, RS-485		
	Connections	2 x 1/2" M BSPP		
	Temperature IN	35°C max		
	Flow	from 2 l/min to 6 l/min		
	Pressure IN	from 2 bar to 6 bar		
	Pressure OUT	0 bar (free outlet)		
AIR for COOLING & CLEANING LENS	Quality	pH 6-8, suspensions max 10 mg/l		
	Connections	1/4" M BSPP		
	Temperature IN	40°C max		
	Consumption	circa 3 Nm ³ /h		
	Pressure IN	da 1 bar a 2 bar		
ENVIRONM.	Quality	Instrumental Air ISO 8573-1 Classe 1.2.1		
	Operating temperature	-20°C ~ 90°C		
POWER SUPPLY	Humidity	< 90%		
	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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