Aisi 316L Stainless Steel body
Pan/Tilt unit with integrated receiver
Continuous rotation
IP66
Variable speed from 0.01° to 200°/s
Onscreen display configuration
Multiprotocol
DAY/NIGHT SONY CAMERA MODULE 36X PAL

Emotion is the new series of PTZ devices particularly sturdy and dedicated to video surveillance for indoor and outdoor applications especially where the specify resistance to corrosion guaranteed by stainless steel is required.
The unit is easy to install, versatile and customizable
Emotion Camera Module hosts a DAY/NIGHT SONY CAMERA MODULE 36X PAL
Continuous PAN and TILT rotations
Positioning is extremely quick thanks to the speed that can reach 200°/sec on both axis
The unit works with mechanical solutions that do not require maintenance

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Italian design for CCTV since 1979

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MECHANICAL FEATURES

Enterely made of stainless steel Aisi316L

Top mount

Tooth belt transmission

Slip-ring

Zero backlash

Horizontal continuous rotation

Vertical continuous rotation

Electronic limit switches

Pan and tilt speed from $0.01°$ up to $200°/s(*)$

Angular acceleration $250°/s^2 - 1000°/s^2$

Position repeat accuracy $+/-0.01°$

Inner dimensions (see drawings)

Useful window (see drawing)

User friendly installation

4 cable glands M16

(*) related to model/version and to the load weight

ELECTRICAL FEATURES
CONSUMPTION

24Vac, 50/60Hz 120W 5A

120Vac, 50/60Hz 120W 1A

230Vac, 50/60Hz 120W 0,5A

CAMERA MODULE

SONY DAY/NIGHT CAMERA MODULE 36X PAL

Camera protection in case of system switching on with uncorrect temperature

VIDEO

Up to 2 video lines (1V, 75Ω)

SERIAL INTERFACES

Two serial ports RS485

Every serial port may handle up to 4095 addresses depending on the protocol utilized

FIELD INTERFACE

nr.4 alarm input (10-35V)

nr.4 open collector output

SOFTWARE

Software for system configuration, languages configuration, upgrade through serial RS485 in remote modality

MAIN FUNCTIONS
SYSTEM

Multilanguages OSD configuration. Up to 5 languages to be customized by the customer.

250 Preset (related to protocol)

23 characters available for title

Patrol sequences and random

Automatic recall on event

TELEMETRY PROTOCOLS

Pelco D, American Dynamics, Panasonic

*Trademark are registered and belong to their owners.
Other protocols under request*

CAMERA PROTOCOLS

VISCA (Sony)

*Trademark are registered and belong to their owners.
Other protocols under request*

ENVIRONMENT

For indoor and outdoor applications

Temperature range: $-40°C/+50°C$

Defogging System

CERTIFICATES

CEI EN60950-1, EN61000-6-3 e EN50130-4

FCC part 15, class B

IP66 EN60529

DIMENSIONS

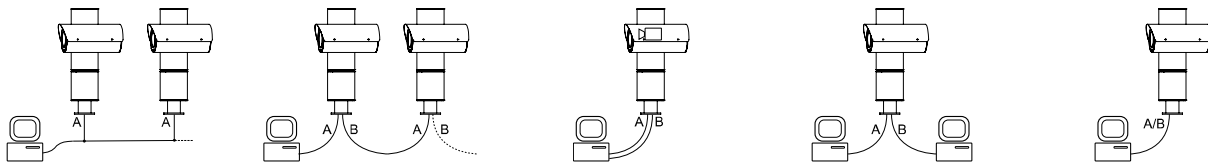Weight: 27kg

Box weight: 30kg

Box dimensions: 723x433x330mm

EMOTION can be interfaced with devices not made by Tekno System.
Due to the continuous evalution of the communication protocols it is compulsory to make the checking test to verify the compatibility of them with the Emotion before installation
Tekno System will not be responsabile in any case of damages or costs due to eventual compatibility problems

DAY/NIGHT SONY CAMERA MODULE 36X PAL

Image sensor:	1/4-type EXview HAD CCD
Signal system:	PAL
Number of total pixels:	Approx. 440,000 pixels
Lens:	36x optical zoom, f=3.4 mm (wide) to 122.4 mm (tele), F1.6 to F4.5
Angle of view (H):	57.8° (wide end) to 1.7° (tele end)
Minimum illumination:	1/60 s mode: 1.4 lx (typical) (F1.6, 50 IRE) 1/4 s mode: 0.1 lx (typical) (F1.6, 50 IRE)
S/N ratio:	More than 50 dB
Electronic shutter:	1/1 to 1/10,000 s, 22 steps
AE control:	Auto, Manual, Priority mode, Bright, EV compensation, Backlight compensation, Slow AE
Backlight compensation:	On / Off
Privacy zone masking:	On / Off (24 positions) *under development*
Focusing system:	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom trigger AF
Camera operation switch:	Zoom tele, Zoom wide
Video output:	VBS: 1.0 Vp-p (sync negative)

Trademark are registered and belong to their owners.

SERIAL CONNECTIONS

RS485	RS485	2 RS485	RS485	RS422
- Monodirectional	- Monodirectional	- Monodirectional	- Monodirectional	
- Half/Duplex	- Half/Duplex	- Half/Duplex	- Half/Duplex	
	Daisy chain connection up to 1,2km for each connection	Direct connection to camera (optional)	With 2 different protocols	

Every configuration may handle up to 4095 addresses depending on the protocol utilized

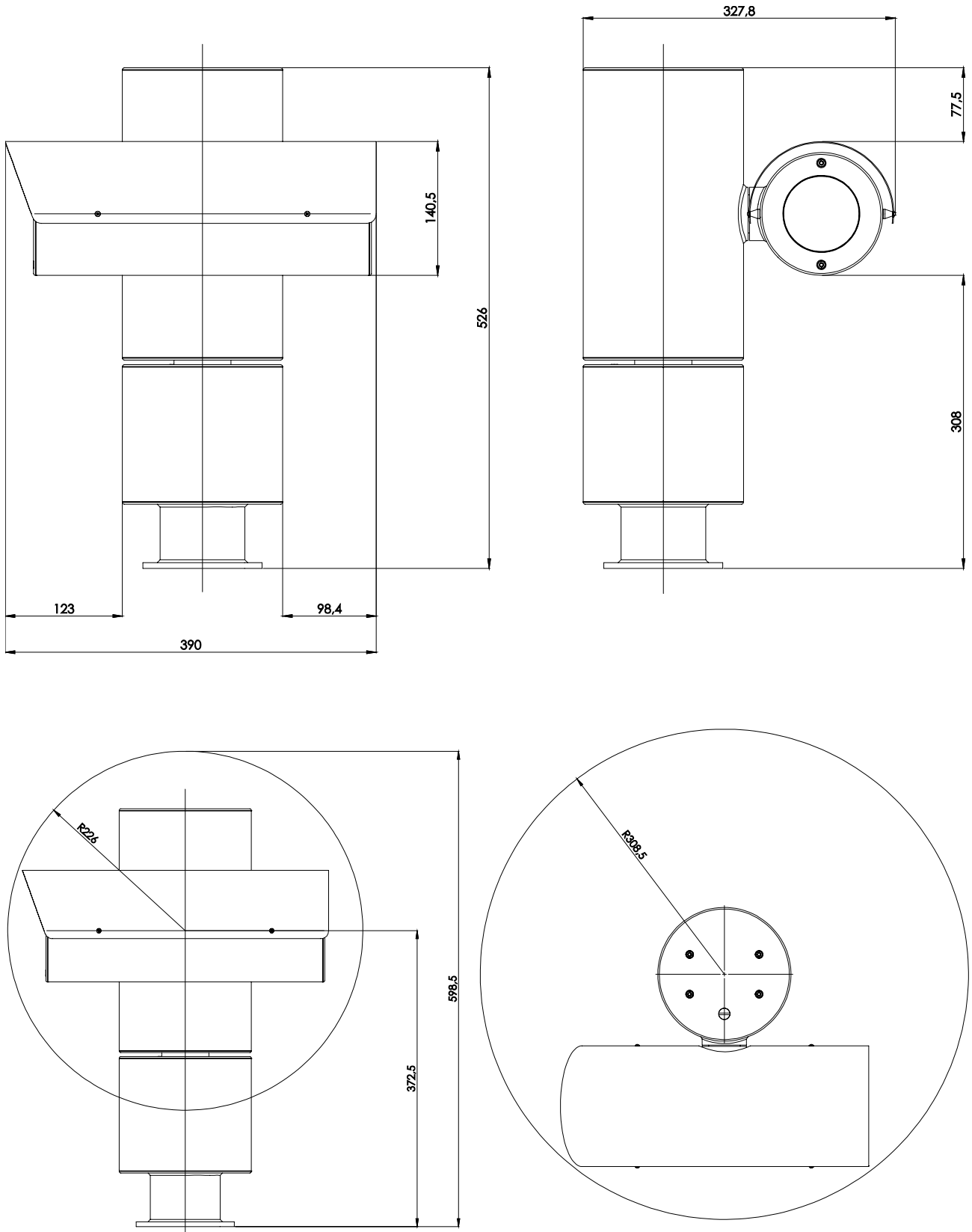**tekno system**®
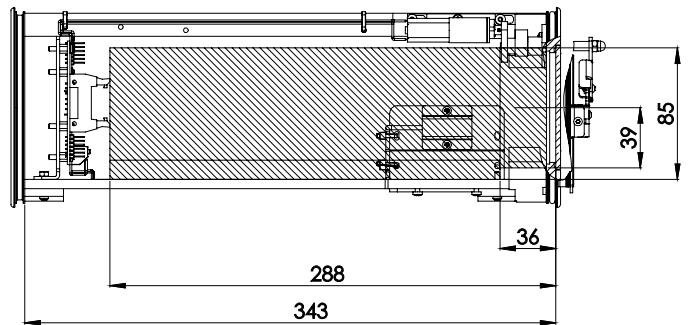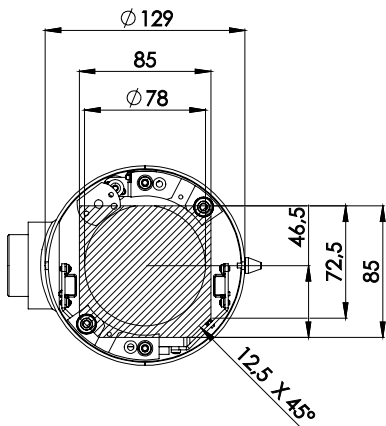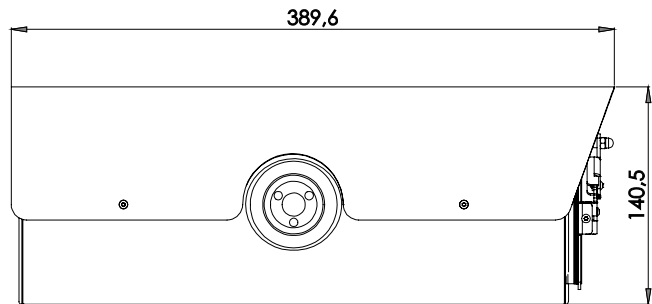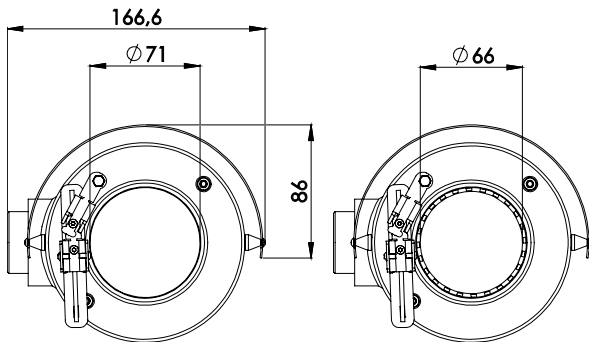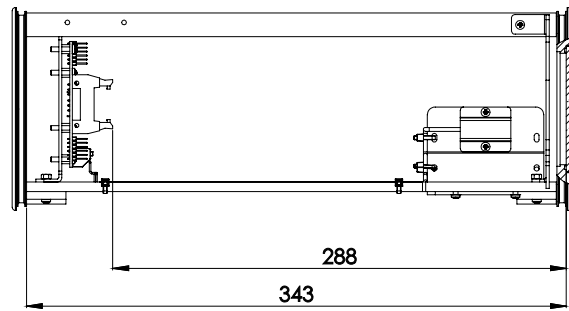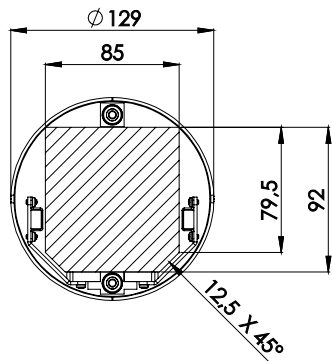Italian design for CCTV since 1979

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Dimensional drawings
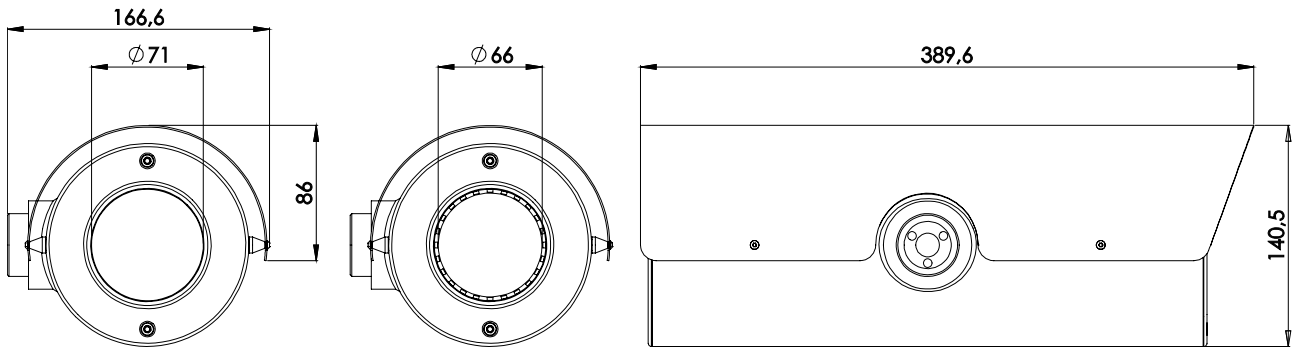

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MODELS

EMOTION CAMERA MODULE 24VAC	Stainless steel Aisi316L integrated positioning unit, feeding voltage 24Vac, block module camera Sony, zoom 36X PAL - Day/Night
EMOTION CAMERA MODULE 230VAC	Stainless steel Aisi316L integrated positioning unit, feeding voltage 230Vac, block module camera Sony, zoom 36X PAL - Day/Night
EMOTION CAMERA MODULE 24VAC WIPER	Stainless steel Aisi316L integrated positioning unit, feeding voltage 24Vac, wiper, block module camera Sony, zoom 36X PAL - Day/Night
EMOTION CAMERA MODULE 230VAC WIPER	Stainless steel Aisi316L integrated positioning unit, feeding voltage 230Vac, wiper, block module camera Sony, zoom 36X PAL - Day/Night

ACCESSORIES

BWE	AISI316L Stainless Steel Wall Bracket for Emotion	
CME	AISI316L Stainless Steel Corner Adapter for Emotion	

RELATED PRODUCTS

TSK1	Multiprotocol Control Keyboard LCD graphic display 3 serial ports RS485 Proportional 3 axis joystick (PTZ) Jog.shuttle Numeric keypad (12 keys) Multi-function keypad (10 keys)	

WATER TANK AND PUMP · *(for Emotion with Wiper)*

TAP 5LX5M	5 Liters Water tank with 5 meters prevalence pump	
TAP 5LX5M WT	5 Liters Water tank with 5 meters prevalence pump and telemetry receiver	
TAP 25LX20M	25 Liters Water tank with 20 meters prevalence pump	
TAP 25LX20M WT	25 Liters Water tank with 20 meters prevalence pump and telemetry receiver	
EATAP	Stainless Steel Adapter to use Emotion with Water Tank and Pump when the BWE Bracket is not used. For example Top Mount on a Pole.	