

Introduction

The Teravision™ series rugged dome camera is a general-purpose high resolution camera with full features for different video surveillance applications.

Based on the latest SONY Starvis back-illuminated pixel technology, the 1.29" Colour CMOS sensor provides razor sharp high resolution at 1080P in colour and black & white. Furthermore, the built-in IR illuminator model provides details within the field of view even with no other illumination applied.

The camera provides superb video quality under variable or harsh light conditions using digital noise reduction, ATR (adaptive tone reproduction) which reveals details under wide dynamic range conditions, and HLC (highlight compensation) technology that suppresses intense situations such as strong vehicle headlights at night.

The camera is suitable for most indoor and outdoor circumstances given its 3-axis gimbal bracket, removable IR cut filter, varifocal lens, and weatherproof vandal-resistant rugged enclosure.

The infrared (night vision) capability provides Infrared illumination up to **60 meters in zero light conditions**. This vandal resistant camera includes a **Varifocal lens of 2.8 to 12mm**, which provides the installer with the ability to customize the field of view to the best viewing angle needed for that surveillance application.

Product Features

- 5MP resolution
- True colour reproduction
- WDR
- Vari-focal lens: 2.8 to 12 mm at F1.4
- 4in1 AHD, CVi, TVi, CVBS
- Dead pixel correction
- IP66 Rugged enclosure
- 12 VDC power supply
- SONY Starvis



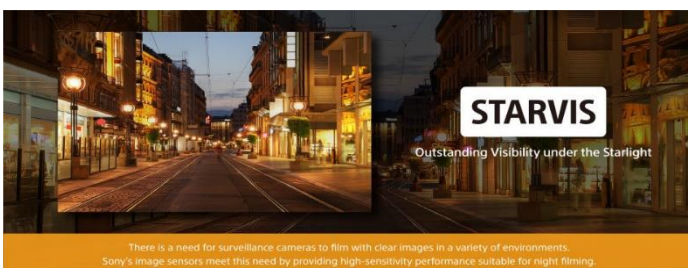
SONY

AHD
Analog High Definition

AHD Signal



HDCVI
High Definition Composite Video Interface



Specifications

Model	TSBCF90HTC500FS
Camera	
Image Sensor	1/2.9" SONY 5MP CMOS Sensor
DSP	IMX326
Image Resolution	5MP
Effective Pixels	2592*1944
TV System	PAL/NTSC
Electronic Shutter	1/25s~1/50,000s , 1/30s~1/60,000s
Sync System	Internal
Usable Illumination	0.001 Lux/F1.2
S/N Ratio	≥50dB
Scanning System	Progressive Scan
Video Output Mode	AHD 5M/TVI 5M/CVI 4M/CVBS
Lens	
Focus Length	2.8-12mm
Focus Control	Manual
Lens Type	Manual
Pixels	6M Pixels
Auto Iris Support	NO
Night Vision	
Infrared LED	With 42μ x 6PCS Infrared LED
Infrared Distance	60 Meters
IR Status	Under 10 Lux by CDS
IR Power On	CDS Auto Control
Camera Features	
Starlight	/
Day/Night	YES
OSD Menu Language	YES
White Balance	AUTO / MANUAL
Gain Control	AUTO
Noise Reduction	DNR
Picture TVjustment	YES
WDR	YES
OSD Support	YES
UTC	YES
Dip Switch	NO
General	
Vandalproof Housing	YES, Metal
Lens Angle Adjustment	YES
Dual Voltage	NO
IR Cut Filter	YES
Heater	Optional
Operation Temperature	-10℃ ~ +50℃ RH95% Max
Storage Temperature	-20℃ ~ +60℃ RH95% Max
Power Source	DC12V±10%, 850mA
Dimension	312(W) x 133(H) x 102(D)
Weight	1.80Kg
Regulatory compliance	CE, FCC, UL, Reach, WEEE, RoHS, C-Tick

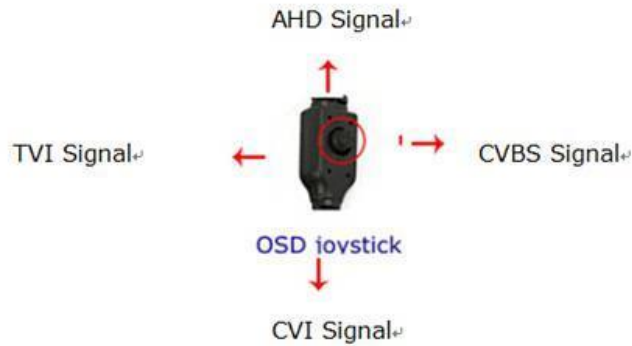
Ordering Information

TSBCF90HTC500FS

Teravision Bullet Camera , 5MP, BNC , IR illumination, 12VDC, PAL

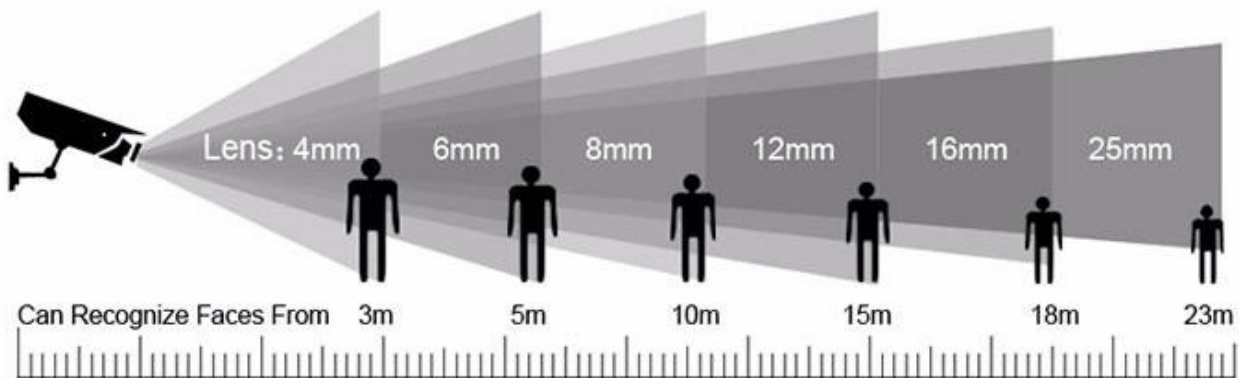
Dimensions

TSBCF90HTC500FS



Lens Focal Length

The schematic of choosing different cctv camera's lens



****Please note camera above has a maximum lens size of 12mm**

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STARVIS

The STARVIS is back-illuminated pixel technology used in CMOS image sensors for surveillance camera applications. It features a sensitivity of 2000 mV or more per $1 \mu\text{m}^2$ (color product, when imaging with a 706 cd/m² light source, F5.6 in 1 s accumulation equivalent), and realizes high picture quality in the visible-light and near infrared light regions.

