



**PRODUCT HIGHLIGHTS**

- Signal type: Composite video/50 fps
- 22.2-6mm Focal Length with 2.7x Zoom
- 1/2" CCD Sensor
- 132° Angle of View
- Auto/Manual White Balance and Exposure, gamma
- Composite video output
- RS-485 Control
- 2.7x optical zoom F1.3 to T360
- Manual focus
- IR-Light Operational Distance 15 m
- LED- IR
- IR-Light Flashes synchronized by Frame-Frequencies.



**SUPER-SENSE IR-CAMERA FOR DEMANDING ENVIRONMENTS**

**SUNIT-FOX** with 1/2" CCD sensor is the Core for excellent ANPR-capturing. It is equipped with *Extreme Low Light Sensitive*, 2.2 to 6mm lens and Gamma correction selects video frames with excellent quality in all conditions.

Strongly converging, 15 mm - 50 mm (3.3x) *Focal length* ensures excellent ANPR-functionality in all environmental conditions, day and night, sun and fog / snow.

LED-IR's having Videoframe-synchronized Flashing system makes possible a Low-Powered and extremely efficient IR-Lighting.

Image quality adjustments include White balance, Zoom, Focus, and Backlight Compensation.

Design follows the Industrial ISO-16750 Heavy Duty Standards.

Applicable on ANPR-Applications.



**SUNIT in Brief—Focus on Client Entrepreneur**

Over 20 year's core-focus on tough computers and deep knowledge of client-demands has brought us prime expertise in technology.

We demand ourselves deep knowledge of the Clients entrepreneur and we strive to bring the long-term technology into his ICT.

Our technology connects OAC - Open Architecture Computing to IoT - Internet of Things with Powerful Processing.

Our Products are covered by Industry Standard ISO-16750, UNECE-Regulations and Environmental Standards.



## SUPER-SENSE IR-CAMERA FOR DEMANDING ENVIRONMENTS

### Technical Sheet

Parameter	Specification
<i>Image Device</i>	1/2" interlinear Transfer CCD Image Sensor.
<i>Effective Pixels</i>	440.000. 752(H) x 582(V)
<i>Sensitivity</i>	High / Super High sensitivity (Near IR spectrum) (Selectable by AGC/MGC Selection switch)
<i>Video Output</i>	Composite video, 1.0 V(p-p) 75Ω (Unbalanced)
<i>Horizontal resolution</i>	More than 570TV-Lines (Centre)
<i>Minimum Illumination</i>	0,0001 lx. F1.4 / Low Light Sensitive
<i>Lens</i>	2.2-6mm HD 3MP Megapixel manual iris Day/Night Lens
<i>Zoom</i>	2,7x manual
<i>Focus System</i>	Manual
<i>Viewing</i>	14.56°x8.26° ( wide end) to 4.36°x2.36° ( tele end)
<i>Minimum Object distance</i>	1.000 mm
<i>S/N Ratio (Signal-to-Noise)</i>	More than 50 dB. Signal amplified
<i>Electronic Iris</i>	Auto IRIS 1/50-1/100000 sec (selectable with SENS-UP function)
<i>Electronic Shutter</i>	1/60 s to 1/100,000 s / Low-Shutter-Speed (selectable with SENS-UP function)
<i>White Balance</i>	ATW
<i>Gain</i>	Auto / Manual (Manual Hi/Lo, Selectable by AGC/MGC Selection switch)
<i>Wide Dynamic Range</i>	WDR(Digital Wide Dynamic Range) USER1 / USER2 / OFF
<i>Backlight Compensation</i>	Traditional Backlight Compensation(BLC) mode and High Light Suppress Backlight(HSBLC) mode.
<i>Motion Detection</i>	Yes (Max. 4 areas selectable)
<i>Exposure Control</i>	Manual. Shutter, Sens Up, Automatic Gain Control, Backlight Compensation
<i>Minimum Illumination</i>	0,0001 lx. F1.4
<i>Picture Effect</i>	Freeze, Flip, Digital Zoom, Negative Image, Motion (left / righth), Blemished pixel compensation
<i>Control Interface</i>	VISCA (TTL signal level), baud rate: 9.6 kb/s, 19.2 kb/s, 38.4 kb/s, 1 or 2 stop-bit selectable
<i>Dimensions</i>	200 mm x 170 mm x 60 mm
<i>Weight</i>	Approx. 600 g
<i>Operation Temperature</i>	-20 – +60 °C
<i>Power Input</i>	DC12V±10% (camera), DC 10-16V (IR unit)
<i>Power Consumption</i>	1,32W (camera), 10W average (IR unit)

