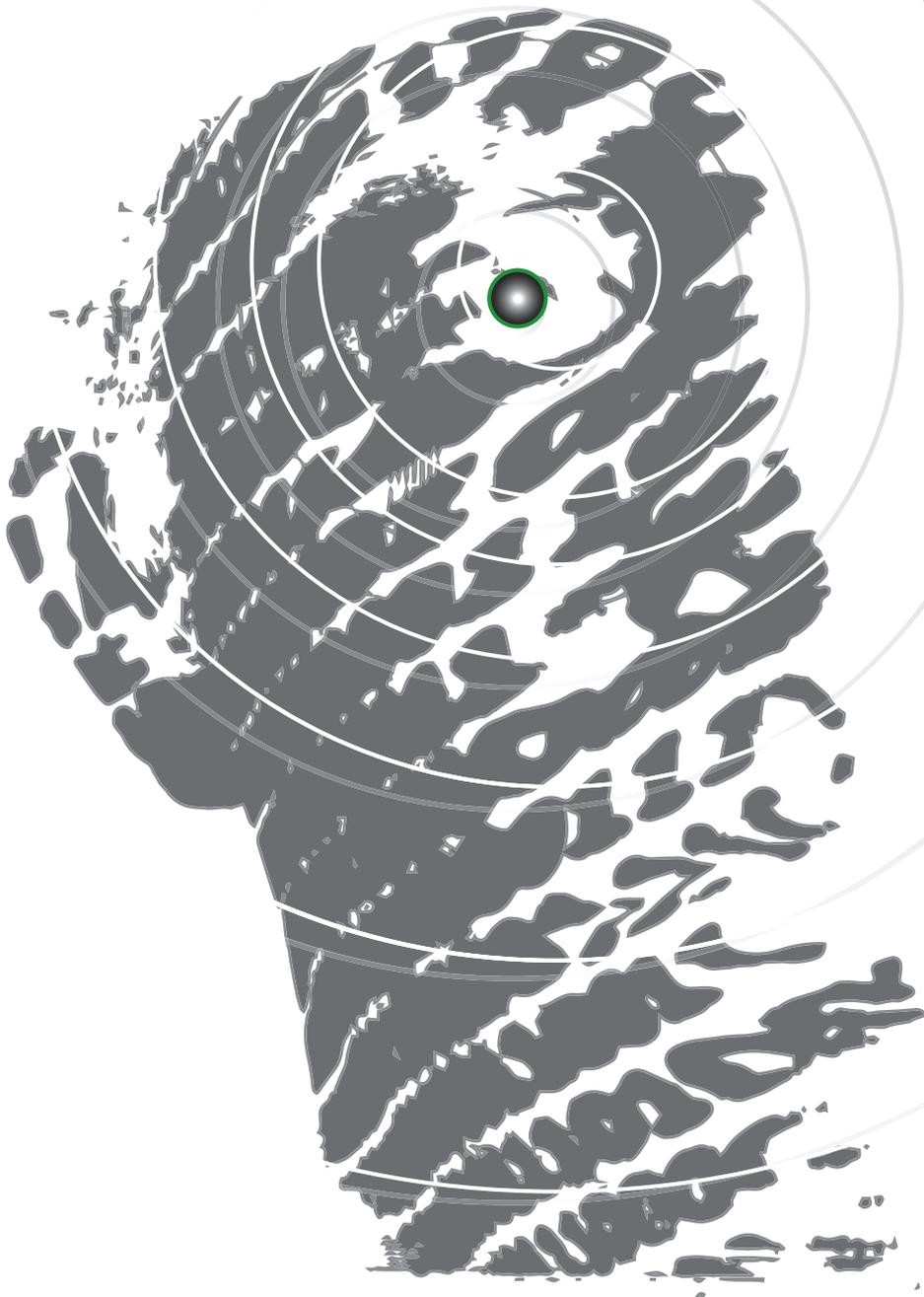


Security Equipment

Visual Technologies for Security and Defense





Hiding places for drugs, contraband, explosives and weapons become more and more ingenious. Stolen automobiles are increasingly difficult to identify, especially when time is short. Therefore manageable means of inspection, surveillance and reconnaissance are indispensable for investigators and security agencies. Operative and tactical means for danger prevention by IT Concepts are approved, sturdy and hard wearing. They have been in use for years in great quantities by military in crisis regions, police and customs all over the world. ITC your partner in technologies for preserving homeland security.

The ITC Group develops and produces optical, electronic and precision components, assembly groups and systems with more than 500 highly skilled employees. The product line-up ranges from single components for single endoscopes and complete video systems technologies for homeland security.



- Made for security
- Visible, blue and Infrared LED
- Light sensitive B&W sensor
- Noiseless articulation control
- 5" high-resolution display

- Rotatable Monitor
- Excellent image quality
- Ergonomic handle
- Bright and high-contrast display

iRis MiL

SECURITY

Operating unit

| | |
|--------------------------|--|
| Display size: | 5.0" (12.7cm) TFT colour |
| Display resolution: | VGA (640x480 pixel) |
| Operating system: | Real-time operating system, with on-screen menu |
| User interface: | Direct action keys / function keys / arrow keys |
| Languages: | English, German, Polish, French, Spanish, Italian, Turkish |
| Video interface: | Composite video-out (BNC) |
| Power supply, primary: | Rechargeable Li-ion battery (charger and battery are provided in delivery set) |
| Power supply, secondary: | 12V adapter (optional accessory) |

Documentation

| | |
|---------------|--|
| Video format: | MPEG4 (.avi) (with time and date stamp) |
| Image format: | BMP (.bmp) (with time and date stamp) |
| Storage: | SDHC memory card up to 32GB (FAT32) (8GB provided in delivery) |

Camera control

| | |
|---------------|------------------------------------|
| Image sensor: | Black & White Super-HAD CCD |
| Image typ: | CCIR B/W (291.000 effective Pixel) |
| Sensitivity | 0.005 Lux |

Image control

| | |
|------------------|---|
| Zoom: | 16 step digital zoom |
| Invert: | Horizontal and vertical image inversion |
| Brightness: | Adjustable |
| Contrast: | Adjustable |
| Text annotation: | Built-in text overlay generator |

Illumination

| | |
|------------------------------|-------------------------|
| Interchangeable Light Source | White light, blue or IR |
| Light Transmission | Fiberoptics |

Probe

| | | |
|--------------------------------|---|-----------|
| Diameter: | 6.0mm | 8.0mm |
| Working length: | 1.5 - 3 m | 1.5 - 3 m |
| Articulation (bending neck): | 4-way / 360° control | |
| Articulation feature: | noiseless and tactile | |
| Articulation angle* L/R U/D: | 100°/100° 160°/130° | |
| Integrated objective lens: | 90° FOV | |
| DOF: | 5 mm to infinity | |
| Braid: | Multi-layer tungsten braid on PU jacket | |

Construction

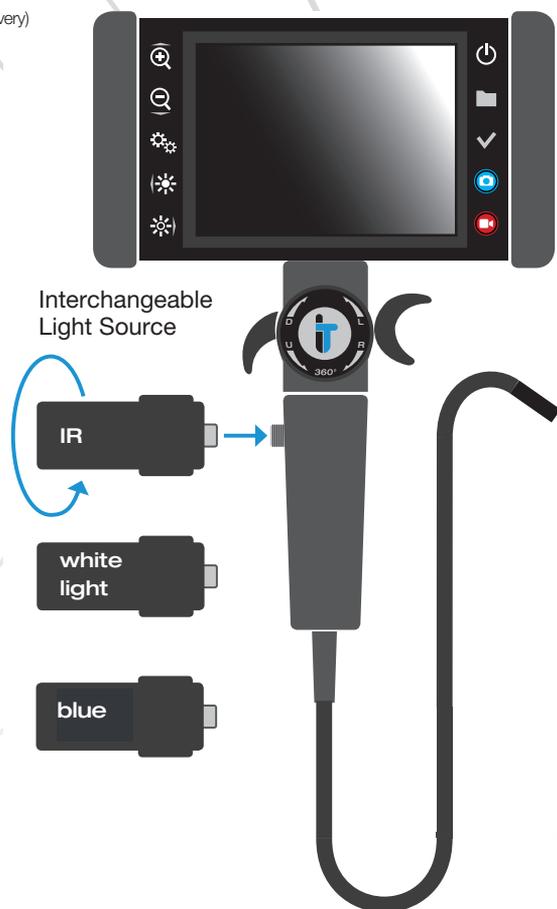
| | |
|----------------|--|
| Ergonomics: | ± 90° rotatable display unit, alt. ±90° rotatable scope handle |
| System weight: | 1,35Kg |
| Dimensions: | 180mm x 105mm x 45mm |
| Housing: | Rugged PU, with integrated rubber shock caps |

Operating environment

| | |
|-------------------------------|----------------------------------|
| Tip operating temperature: | -13°F to 284°F (-25°C to +140°C) |
| System operating temperature: | -13°F to 115°F (-25°C to +46°C) |
| Storage temperature: | -13°F to 140°F (-25°C to +60°C) |
| Relative humidity: | 95% max. - non condensing |
| iRis Case | 550mm x 240mm x 370mm / 6,5kg |

Manufacturer's Data

| | |
|-------------------|---------|
| Country of Origin | Germany |
|-------------------|---------|



IR Under Door kit

SECURITY



- IR Under Door Camera
- Chip on the tip technology
- High Power IR Illumination
- Switchable DOV (forward/up)

- light sensitive B&W sensor
- 5" high-resolution display
- Excellent image quality
- Bright and high-contrast display

IR Under Door kit

SECURITY

Operating unit

| | |
|--------------------------|--|
| Display size: | 5.0" (12.7cm) TFT colour |
| Display resolution: | VGA (640x480 pixel) |
| Operating system: | Real-time operating system, with on-screen menu |
| User interface: | Direct action keys / function keys / arrow keys |
| Languages: | English, German, Polish, French, Spanish, Italian, Turkish |
| Video interface: | Composite video-out (BNC) |
| Power supply, primary: | Rechargeable Li-ion battery (charger and battery are provided in delivery set) |
| Power supply, secondary: | 12V adapter (optional accessory) |

Documentation

| | |
|---------------|---|
| Video format: | MPEG4 (.avi) (with time and date stamp) |
| Image format: | BMP (.bmp) (with time and date stamp) |
| Storage: | SDHC memory card up to 32GB (FAT32) (8GB is provided in delivery set) |

Camera control

| | |
|------------------|------------------------------------|
| Image sensor: | ¼" Black & White Super-HAD CCD |
| Image typ: | CCIR B/W (291.000 effective Pixel) |
| Sensitivity | 0.005 Lux |
| Special function | automatic frame integration |

Image control

| | |
|------------------|---|
| Zoom: | x 3.5 |
| Invert: | Horizontal and vertical image inversion |
| Brightness: | Adjustable |
| Contrast: | Adjustable |
| Text annotation: | Built-in text overlay generator |

Illumination

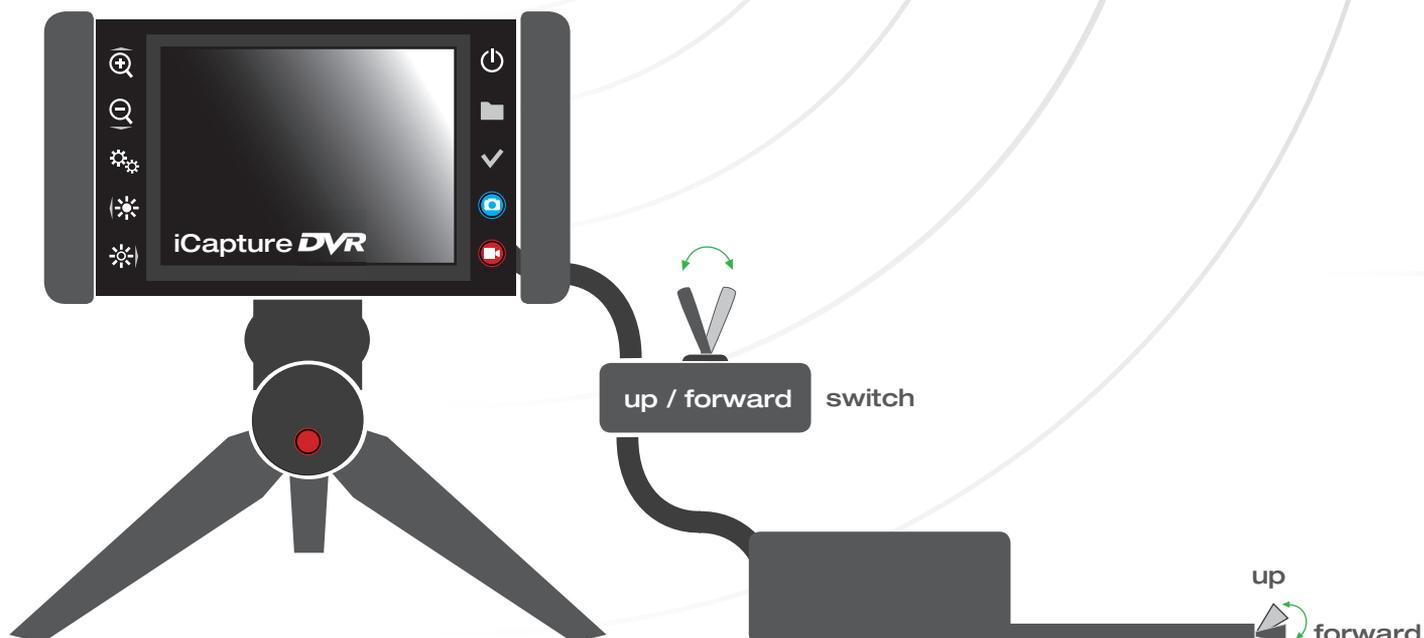
| | |
|---------------------|-------------------------------|
| Interchangeable LED | IR |
| Wavelength | 940nm |
| Power Dissipation | 630 mW forward 420 mW up |

Under Door Blade

| | |
|-----------------------|--------------|
| Height: | 6.0 mm |
| Length: | 134 mm |
| Weight | 390 g |
| Direction of view DOV | 15° 90° |

Manufacturer's Data

| | |
|-------------------|---------|
| Country of Origin | Germany |
|-------------------|---------|



iRis XT

The certified Search Scope



Certifications:

- MIL-STD-810G with Change 1, Method 511.6, Procedure I
- Atex Category 3 Certificat
- Class I, Division 2, Groups A, B, C, and D Hazardous Locations

- Contraband Search Scope
- Gasoline and Fuel resistant
- Special isolated videoprobe
- Noiseless articulation control
- 5" high-resolution display

- Rotatable Monitor
- Excellent image quality
- Ergonomic handle
- Bright and high-contrast display

iRis XT

The Search Scope

Operating unit

| | |
|------------------------|---|
| Display size: | 5.0" (12.7cm) TFT colour |
| Display resolution: | VGA (640x480 pixel) |
| Operating system: | Real-time operating system, with on-screen menu |
| User interface: | Direct action keys / function keys / arrow keys |
| Languages: | English, German, Polish, French, Spanish, Italian, Turkish |
| Power supply, primary: | Rechargeable Li-ion battery (charger and battery are provided in delivery set) |

Documentation

| | |
|---------------|--|
| Video format: | MPEG4 (.avi) (with time and date stamp) |
| Image format: | BMP (.bmp) (with time and date stamp) |
| Storage: | SDHC memory card up to 32GB (FAT32) (8GB is provided in delivery set) |

Camera control

| | |
|----------------|---------------------------------------|
| Image sensor: | Advanced chip on the tip image sensor |
| White balance: | Factory default or user defined |

Image control

| | |
|------------------|---|
| Zoom: | 16 step digital zoom |
| Invert: | Horizontal and vertical image inversion |
| Brightness: | Adjustable |
| Contrast: | Adjustable |
| Colour: | Adjustable |
| Text annotation: | Built-in text overlay generator |

Illumination

| | |
|------------------------|--|
| Type: | High-power LED with high transmission fiber optics |
| Illumination control: | 3 steps |
| Colour temperature: | approx. 6500k |
| Average lamp lifetime: | approx. 5000h |

Probe

| | | |
|------------------------------|---|----------------------|
| Diameter: | 6.0mm | 8.0mm |
| Working length: | 2m | 1,5 - 3m |
| Articulation (bending neck): | 4-way / 360° control | 4-way / 360° control |
| Integrated objective lens: | 90° FOV | 90°FOV |
| Braid: | Multi-layer tungsten braid on PU jacket | |

Operating environment

| | |
|-------------------------------|--|
| Tip operating temperature: | -13°F to 176°F (-25°C to +80°C) |
| System operating temperature: | -13°F to 115°F (-25°C to +46°C) |
| Storage temperature: | -13°F to 140°F (-25°C to +60°C) |
| Relative humidity: | 95% max. - non condensing |
| Waterproof: | Probe and distal end up to 14.7 psi (1 bar- 10.2m H ₂ O) |
| Resistance: | Probe and distal end to oils and saline (5%) |
| iRis Case | 550mm x 240mm x 370mm / 6,5kg |

Manufacturer's Data

| | |
|-------------------|---------|
| Country of Origin | Germany |
|-------------------|---------|

iR Infrared Pole System

telescope



Designed for operational teams when they approach and enter buildings, operate indoors, as well as for supervision and search activities.

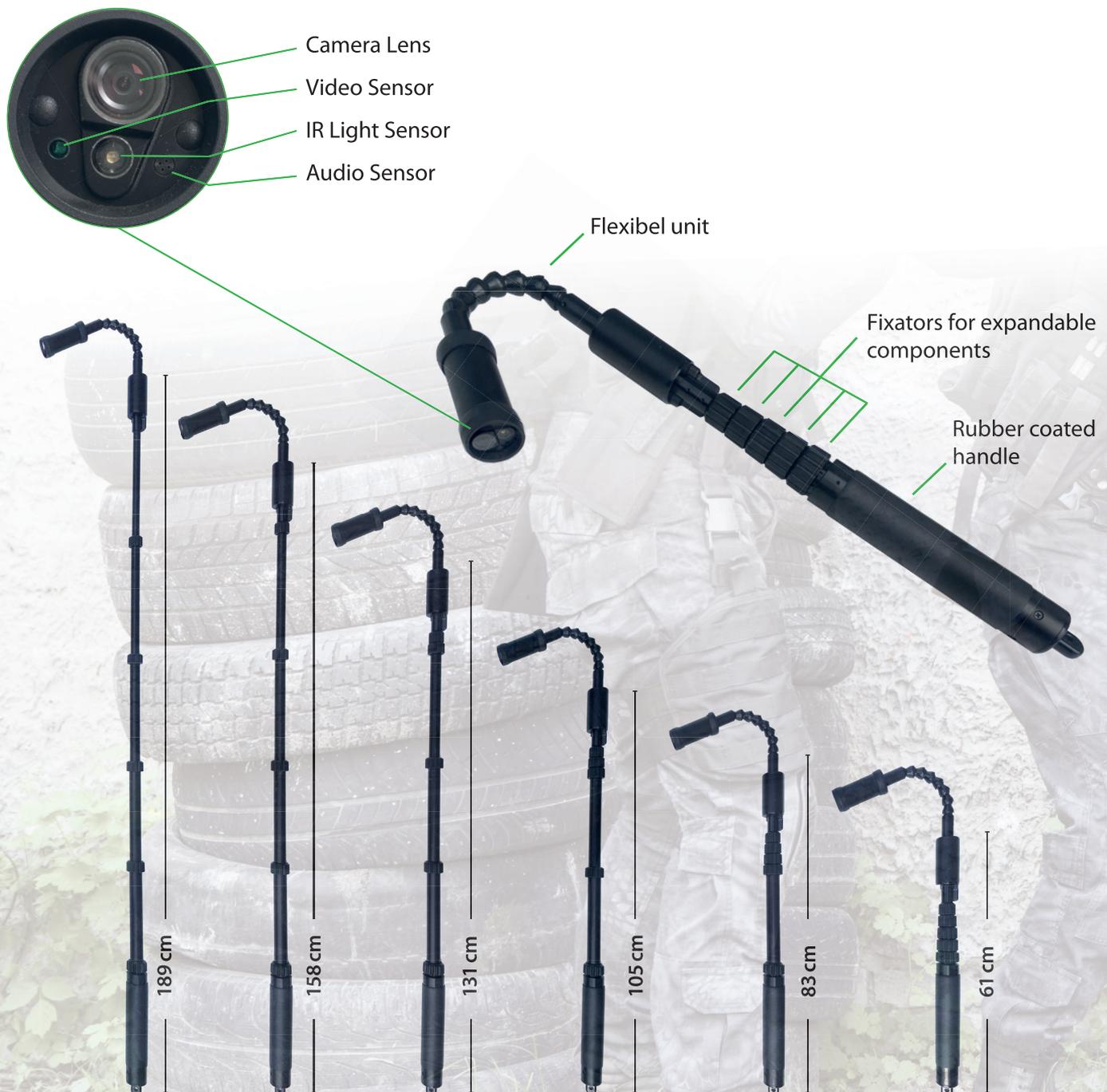
iR Infrared Pole System

telescope

The product contains the following components:

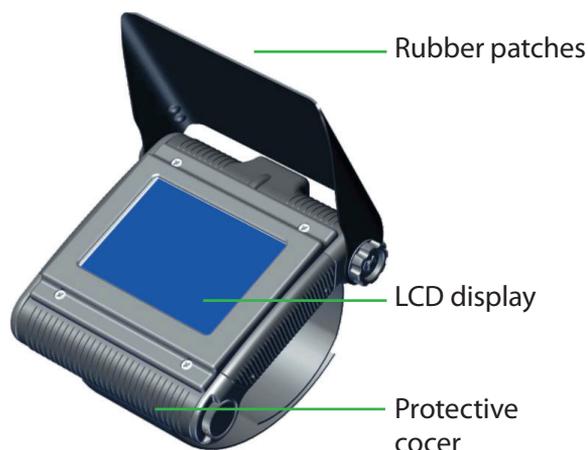
- Telescopic arm with TV module, (see Figure 1.1.)
- Compact monitor with hand fastening accessory (see Figure 1.2)
- Charging device (see Figure 1.3)
- Protective covers for arm with TV module and monitor

Telescopic arm with TV modul in folded state front view



iR Infrared Pole System

Compact monitor



Dimensions of Compact monitor **125 x 123.3 x 38.6 mm**

Weight of Compact monitor no more than, **0.7 kg**

-
- Dimensional length of telescopic arm with TV module is no more than:
 - for folded arm with folded hinge **690 mm**
 - for expanded arm with straight hinge **2200 mm**
 - Dimensional diameter of TV module housing **51 mm**
 - Dimensional length of TV module **506 mm**
 - Weight of telescopic arm with TV module is no more than **2.0 kg**



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