Smart Solutions. Powerful Products.

CCTV System
CCTV System

Forum’s CCTV system is an IP CCTV system that is specially designed for remote and harsh environments on offshore production platforms, FPSO’s drilling rigs and wind farms, as well as onshore land rigs, petrochemical facilities and tank farms. When the working area is explosion proof, or when there are a lot of vibrations, shocks or high EMC radiation, the Forum CCTV system is your best option. With over 15 years of experience the system has proven to be very reliable. The CCTV system has endured the heat in Saudi Arabia to the harsh North Sea, and from the Gulf of Mexico to the Far East.

Operating in high risk and harsh environments is challenging. Visual information is often key to monitoring and safeguarding the processes, but is also hard to obtain. Our sophisticated CCTV system will give you all the images you need to guarantee a safe and efficient operation. The system is easy to operate and can be expanded from a simple monitoring system to an advanced warning system, saving you time and money.

Benefits

- Increased efficiency - by remote (onshore) access and advanced analytics
- Flexible system - easy to expand with additional cameras
- Simple control - through dedicated monitoring stations
- Reduced cabling cost - due to smart design
- Full view of installation - with ruggedized and Ex equipment
**Technical Specifications**

**Article number** 150.0245.003119

**Purpose**
IP H.264 is a complete video view software system for up to 16 cameras. IP H.264 runs a Windows service on a dedicated PC. Easily view and control the cameras over TCP/IP on a local computer or network. After the easy installation you have a powerful video viewing application for various camera system configurations.

**USB memory stick**
The software packages are supplied as follows on a USB 2.0 1GB memory stick:
- IP-setup-2.0.x.exe.
- IP utility.exe: changes the IP-address of the video server.
- Installation manual
- User manual

**System requirements:**

**Operating System**
Windows 7, 2000 or 2003 server

**Processor**
Minimum requirement dual core 2-GHz or better

**Memory**
1GB or more

**Resolution**
1024x768 pixels (for an optimal performance: 1280x1024) or higher

- Viewing of high quality video for multiple cameras in multiple configurations
- Support H.264 digital video codec
- Forum’s software is simple and fast. It has a low latency and a high quality image
- Control PTZ or AF-Zoom cameras by using mouse, touchscreen, trackerball or optional joystick
- Easy and intuitive navigation
- Many possibilities of different split views and selectable video streams
- PTZ presets and master-presets for controlling multiple PTZ simultaneously
- Sequential camera switcher
- Mix and match different types of cameras in one Forum IP system.

**New IP H.264 on a 1920x1200 display**

Old IP Display on a 1920x1200 display **New** Improved resolution 2x better in Quad mode

*All data subject to change without notice. All dimensions are for commercial purpose only.*

The camera/display systems comply with the latest CE, ADR, EMC and mirror-directive regulations. All products are manufactured in accordance with the ISO 9001-2000 quality management system, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives.
1P HD PTZ Camera
SS316 housing

SENSOR
- CCD sensor: 1/2.8 Type Exmor CMOS Sensor
- Zoom capacity: 30x optical zoom
- Auto focus: Auto focus function with manual override
- Min. illumination: 0.1 Lux (day/night)
- Resolution: 1080P full HD
- Back light compensation: Yes

PROTOCOLS
- Networking: IPv4/v6, UDP, TCP, IGMP, ICMP, ARP, DHCP, DNS
- Streaming: RTP, HTTP
- Management: RTSP, HTTP, HTTPS, Bonjour, NTP, Telnet, FTP, SNMP
- PTZ integration: Pelco D

GENERAL
- Heater: Heated lens preventing condensation and frost
- Housing material: Stainless steel 316
- Construction: Shockproof and vibration-resistant
- Pan angle: 360° (180° left / 180° right)
- Tilt angle: 180° (90° up / 90° down)
- Presets: 6
- Ingress protection: IP 69 according IEC 60529
- Weight: 15 kg
- Operating temperature: -40°C to +85°C
- Power input: 24 VDC
- Power consumption: Max. 17.6W (zoom + heater on)
- Including: Sun/rain cover; 3.5 meter cable; Mounting flange (SS316L)
Fixed compact color camera
SS316 housing

**SENSOR**
- **CCD sensor Color**: 1/4” interline transfer CCD
- **Lens**: Fixed lens, 2.5 mm
- **Lens angle**: 32°, 54°, 78°, 102° or 115°
- **Min. illumination**: 0.5 Lux (day/night)
- **Resolution**: 542(H) x 586(V)

**HOUSING**
- **Heater**: Heated lens preventing condensation and frost
- **Housing material**: Stainless steel 316 brushed, cement resistant
- **Construction**: Shockproof and vibration-resistant
- **Ingress protection**: IP69K according to IEC 60529 (up to 10m under water)
- **Weight**: 0.38 kg
- **Operating temperature**: -40°C to +85°C
- **Power input**: 12 VDC
- **Approvals**: EMC in compliance with 72/245EC, 2006/28/EC

---

Zoom camera Ex Zone 1
ATEX and IECEZ Zone 1
SS316 housing

**SENSOR**
- **CCD sensor**: 1/4” type IT CCD (EX view HAD CCD)
- **Zoom capacity**: 36x optical zoom, 12x digital zoom
- **Auto focus**: Auto focus function with manual override
- **Min. illumination**: 1.4 Lux (day/night)
- **Resolution**: 550 TVL, 752 (H) x 582 (V)
- **Back light compensation**: Yes

**GENERAL**
- **Heater**: Heated lens preventing condensation and frost
- **Housing material**: Stainless steel 316
- **Construction**: Shockproof and vibration-resistant
- **Ingress protection**: IP 69k according DIN 40050-9
- **Weight**: 5.1 kg
- **Operating temperature**: -40°C to +85°C
- **Power input**: 24 VDC
- **Power consumption**: Max. 7.2W (zoom + heater on)
- **Including**: Sun/rain cover
  - 3.5 meter cable
  - Ex junction box
## 15" Ex-d Zone 1 Monitor
ATEX and IECEx Zone 1

### MONITOR
- **Display type**: TFT
- **Resolution**: 1024 x 768 (4:3)
- **Brightness**: 420cd/m²
- **Viewing angle**: 70°, 70°, 60°, 65° (Right, Left, Up, Down)
- **Viewing Modes**: Quad, Camera full screen switchable with control panel (not included)
- **Input voltage**: 115V/AC…230V/AC
- **Power Consumption**: Max. 120 W

### HOUSING
- **Housing**: Flameproof enclosure; Aluminum (seawater-proof according to EN 13195-1)
- **Dimensions Housing**: 480(W) x 360(H) x 340(D) mm
- **Dimension Window**: 300(W) x 200(H) mm
- **Weight**: 59 kg
- **Ingress protection**: IP 66 acc. to EN 60529, NEMA 4x
- **Operating temperature**: -20°C to +60°C
- **Remark**: Monitor can only be used for max. 4 analogue cameras from which max. 3x PTZ

### Control Panel for 15" Ex d Monitor
ATEX and IECEx Zone 1

### GENERAL
- **Housing material**: Glass-fiber reinforced polyester resin
- **Ingress Protection**: IP66
- **Temperature range**: -40°C to +55°C
- **Cable gland**: M20, clamping range 6…13 mm
- **Button labeling**: Each push button is described by an engraved label
- **Dimensions**: 340x170x92 mm [HxWxD]
- **Including**: 5 Meter pigtail. 7 wire (0.75 mm²) and 1 shielding cable
- **Weight**: 3,6 kg incl. cable
Our goal is to become the leading provider of mission critical oilfield products and related services in terms of customer satisfaction, safety and financial performance.

Our experienced management team and employees are dedicated to solving our customers’ problems. We invest in long term relationships and cooperate on product development with our clients, we consider them our partners.

OUR CORE VALUES

**No one gets hurt:** The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.

**Integrity:** In everything we do, in every interaction, both internally and externally, we strive to operate with the utmost integrity and mutual respect.

**Customer focused:** Our products enhance our customer’s performance and we listen to their needs and work with them to solve their challenges.

**Good place to work:** We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.