Smart Solutions. Powerful Products.

FORUM™
ENERGY TECHNOLOGIES

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. IPH.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.

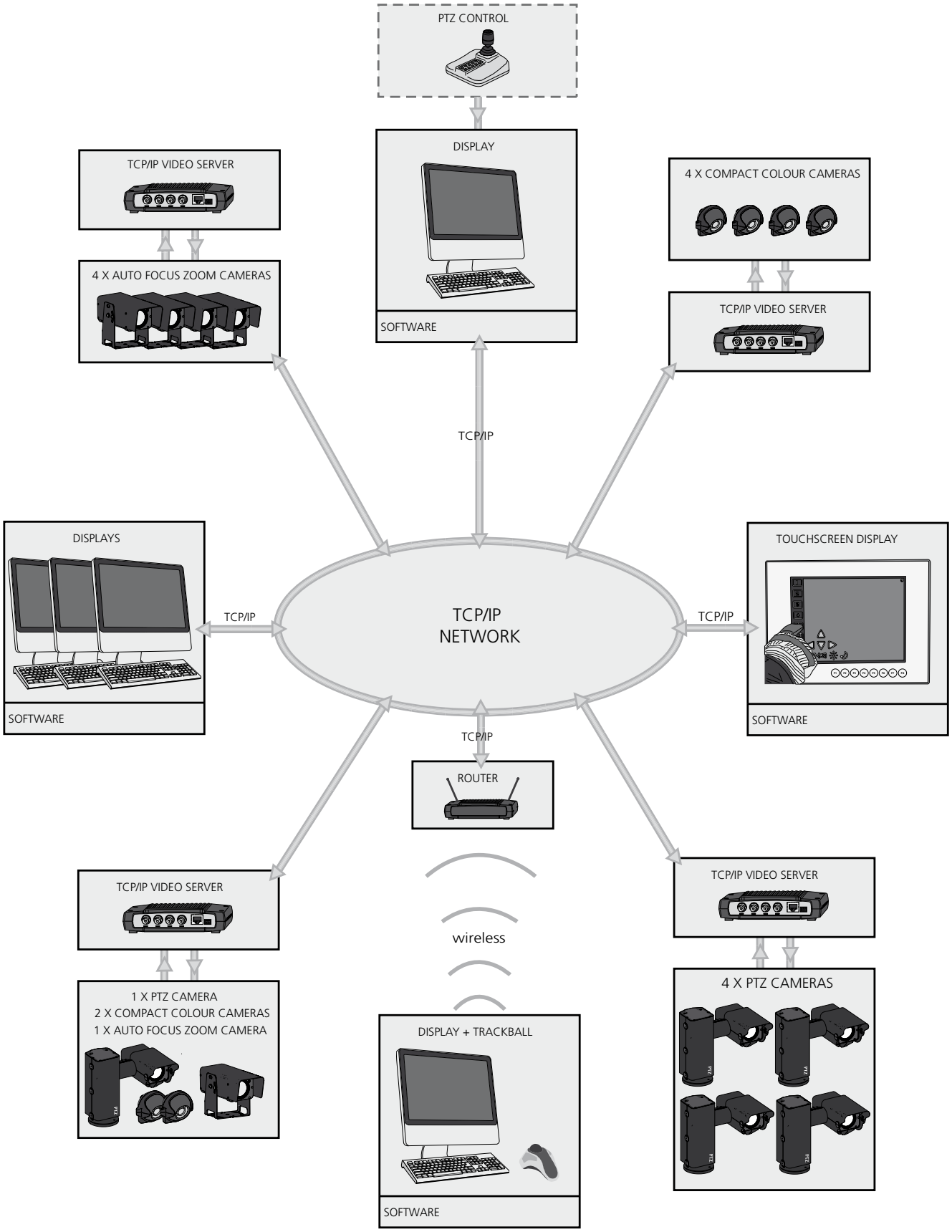
Old IP Display on a 1920x1200 display

New IP H.264 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.


PTZ CONTROL
DISPLAY
SOFTWARE
TCP/IP VIDEO SERVER
4 X AUTO FOCUS ZOOM CAMERAS
4 X COMPACT COLOUR CAMERAS
TCP/IP VIDEO SERVER
TCP/IP
DISPLAYS
SOFTWARE
TCP/IP
TCP/IP
NETWORK
TCP/IP
TOUCHSCREEN DISPLAY
SOFTWARE
TCP/IP
ROUTER
wireless
TCP/IP VIDEO SERVER
1 X PTZ CAMERA
2 X COMPACT COLOUR CAMERAS
1 X AUTO FOCUS ZOOM CAMERA
DISPLAY + TRACKBALL
SOFTWARE
TCP/IP VIDEO SERVER
4 X PTZ CAMERAS

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	¼" 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 upmost 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.

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