

HERNIS™ CCTV solutions

CROUSE-HINDS
SERIES

Ethernet over Coax

HD IP camera technology using existing
cables for analogue CCTV



EATON

Powering Business Worldwide

A large offshore oil rig with yellow structural elements and white cylindrical storage tanks, situated in the ocean under a blue sky with scattered clouds. The rig features complex piping, ladders, and a crane. Several workers in orange safety gear are visible on the platform.

High resolution.
Low cost.

Introducing Ethernet over Coax

Eaton is pleased to announce the launch of its Ethernet over Coax (EoC) range, offering multiple benefits to both existing and new Eaton HERNIS™ customers.

The only technology of its kind on the market, the Ethernet over Coax system will allow IP data to be transmitted across existing analogue cabling. Customers are able to upgrade to a highly superior IP system without the disruption and cost of replacing all cabling in the installation.

This upgrade solution using Eaton's Ethernet over Coax is perfect for those wanting to benefit from the use of the new HERNIS™ HD IP FLEX system, including full 1080p HD resolution, and a small central rack, at a reduced installation cost and time.

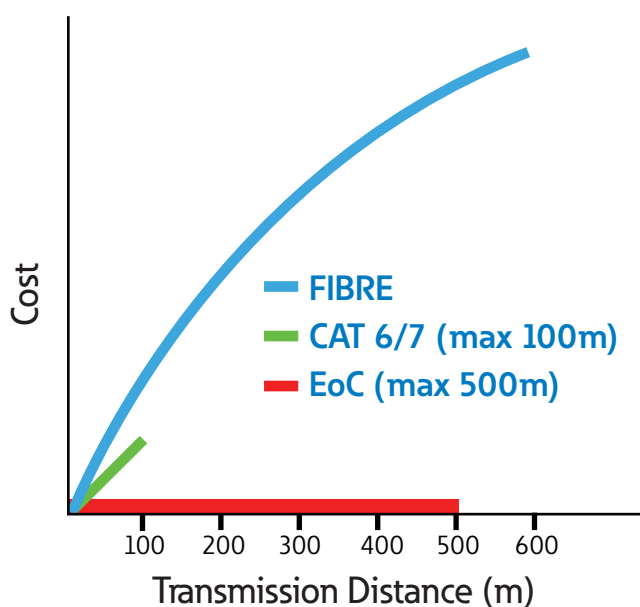
The Ethernet over Coax solution can be utilised in new installations to exceed the transmission distance limitation found in CAT6/7 Ethernet cables from 100 metres up to 500 metres. The EoC analogue to IP upgrade would also allow our customers to reuse existing racks, only replacing some central equipment.

This system upgrade is available with a wide range of our CCTV camera stations including Ex and safe area ranges of PTZ, dome and fixed cameras.

Minimise upgrade downtime whilst reducing cost

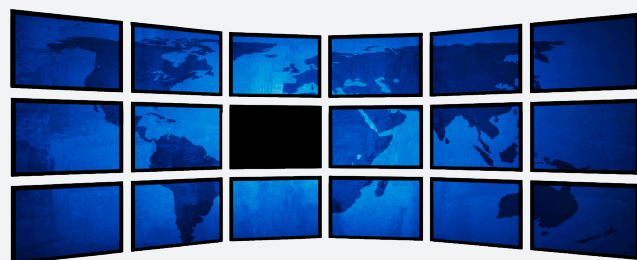
Not having to lay new cables is a huge benefit: saved cost on cabling, vastly reduced work hours and much less downtime. By upgrading the central rack and upgrading or replacing the camera station, customers get access to a brand new world of IP technology and HD resolution at a fraction of the cost and time of installing an entirely new solution.

By incorporating the EoC technology directly into the camera station, there is no need for external junction boxes to house media converters. This makes the solution lighter and more service friendly.



Potential cost saving when upgrading from analogue to HD IP CCTV

As this graph shows, the potential savings in upgrading to IP with an EoC solution is huge. Without the additional cost of downtime and new cable, the EoC solution saves time as well as money.



Afraid of black screens on your CCTV system?

Most manufacturers have already stopped producing analogue cameras, and whilst Eaton is committed to delivering analogue cameras and systems until early 2019, supplies and component availability is already challenging.

Make sure to take advantage of the EoC upgrade possibilities now and future proof your CCTV system for the days when analogue cameras are no longer available.

Overcome distance limitations at a lower cost

Ethernet over Coax allows customers to bypass the restrictions previously presented by CAT6/7 Ethernet cables. With the EoC reaching up to 500m, customers can overcome the cost and hassle of additional network switches.

As well as saving time and money, the EoC will also improve the resolution of images. HD IP cameras will provide crisp and clear images, vital for keeping staff and workplaces safe.

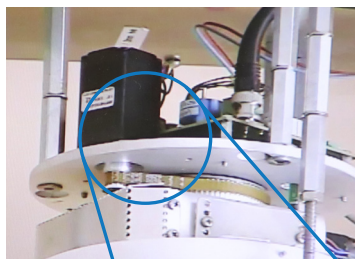
CAT6/7 Ethernet
is limited to a
range of 100m



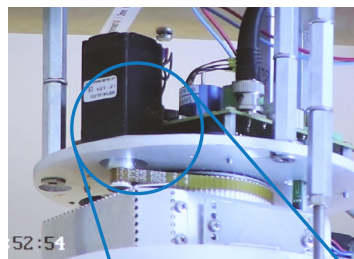
Standard CAT 6/7 Ethernet cabling needs multiple
Ethernet/network switches to extend further than 100m



The HERNIS™ EoC solution reaches up
to 500m on existing coaxial cables



Traditional
analogue camera.
Low resolution and very
little detail



EoC solution.
Full HD resolution
with crisp and clear
details

Vastly improved clarity and detail

Whilst traditional analog cameras are great for giving an overview, they provide very low resolution and cannot be used in situations where image details are of importance.

As shown in the image to the left, the EoC solution provides the user with high resolution video with crisp and clear details. The beauty being that this is achieved using the same cabling as for the analogue camera.

Further improve cost and time saving with a HERNIS™ FLEX CCTV system

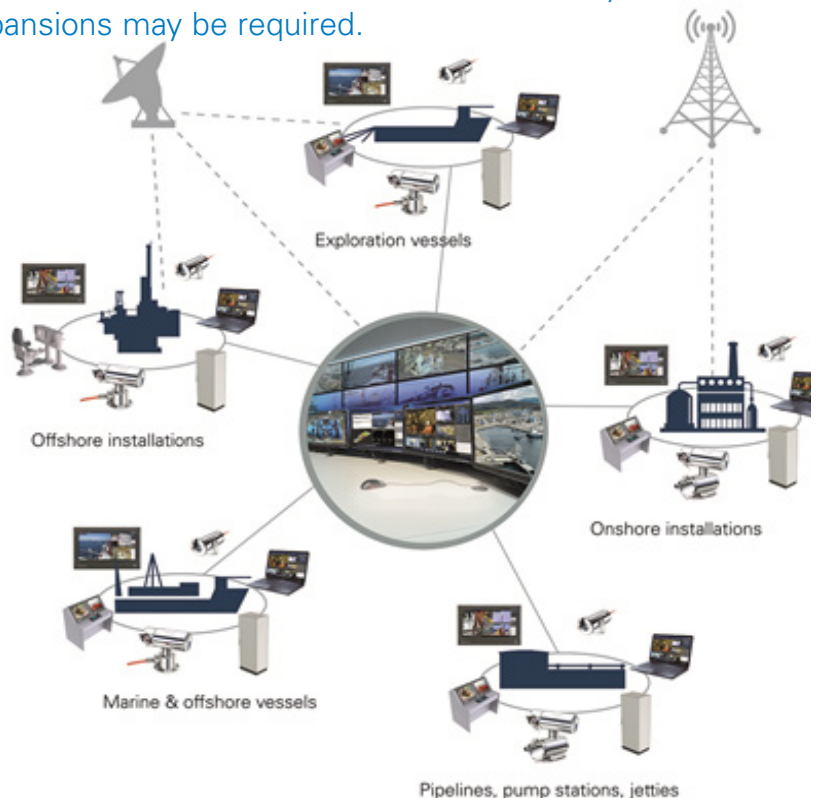
The scalable HERNIS™ FLEX CCTV system is available in two new entry level versions; the microFLEX and miniFLEX. The microFLEX supports up to five cameras per system whereas the miniFLEX can be installed with up to 16 cameras per system. Both systems can be delivered either as a complete appliance solution or be integrated into a HERNIS™ enterprise FLEX solution.

Having been through extensive testing both versions are now available for both new systems and existing installations where upgrades or expansions may be required.

HERNIS™ FLEX system benefits

FLEX CCTV builds upon a complete IP architecture and also accepts analogue signals if required. Systems are designed to maximise video quality and recording reliability. CCTV Systems designed on the FLEX architecture offer full flexibility in transmission allowing for IP, fibre or coaxial cables to be used. Straightforward small systems and large complex systems alike are engineered for control and transmission remotely and locally via Local Area Networks (LAN), satellite and radio link.

NEW - All video components in the central system can now be set up for redundancy.



microFLEX feature highlights

- Single server with software for control, view and recording of CCTV cameras
- System server software
- HVR recorder software
- HVE extender software
- HWIN client software
- Different hardware options available to match specific customer needs
- DIN-Rail mount unit available
- All-in-one unit for hazardous areas available
- Full HD/1080p resolution IP cameras with up to 5 simultaneous IP cameras
- Utilises main and sub-streams from camera for optimal viewing and recording
- Utilises partial decoding & frame rate adjustments for optimal performance
- Integrates with FLEX as if it was a standard full scale FLEX solution
- Easily expandable to accommodate future needs

miniFLEX feature highlights

- Single server for control, distribution and recording of CCTV streams
- Up to 16 cameras supported (analogue, IP or mix)
- Up to Full HD/1080p resolution
- Up to 30 days of recording (expandable)
- RAID 5/6 storage options for redundancy
- Up to 4 client workstations connected
- Utilises main- and sub-streams from cameras for optimal viewing & recording
- Utilises partial decoding & frame rate adjustments for optimal performance
- Different hardware options available to match specific customer needs
- HERNIS™ HVS for analogue camera option
- HERNIS™ HVR for large scale and RAID recording
- Different cabinet sizes available
- Integrates with FLEX as if it was a standard full scale FLEX solution



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