

# ONCAM C-SERIES APPLICATION FOCUS

## C A M E R A   P L A C E M E N T

Adapt your C-Series  
to your use case

# ONCAM C-SERIES

## ONE CAMERA FOR MANY USES

### C-12, 360-DEGREE VIEW CHECKOUT COUNTER

- Detailed coverage of larger areas.
- Crisp views of sensitive areas.
- 360-degree surveillance cameras improve situational awareness throughout an expansive and complex grid, indoors or outdoors.
- Multi-Mode: the 360-degree view can be recorded for retrospective investigation and VCam for live monitoring focusing on specific areas, such as the cash register and high-value items behind the counter.
- Up to 30fps on primary stream with 3 other streams running.

### C-08, 360-DEGREE VIEW STORAGE ROOM

- Complete 360-Degree overview.
- Detailed coverage of smaller areas.
- Multi-Mode: Keep all the regular benefits of 360-degree views and now create 180-degree Panoramic+ views, 2-way and 3-way corridor views and VCam, depending on your camera mount orientation.
- Multiple streams at different frame rates, decide which streams to watch or record at which frame rate, i.e. real-time feed monitoring of your shelves and stock room entrance.

### C-12, 360-DEGREE OR 180-DEGREE PANORAMIC+ VIEW SIDEWALK / ENTRANCE

- Detailed coverage of larger areas.
- 360-degree video footage offers clearer pictures, as well as the ability to zoom within both live and retrospective feeds.
- Multi-Mode: T Corridor+, you can view the scene from three different perspectives without leaving gaps or blind spots, and you can track individuals or objects as they move between the different perspectives (e.g., Corridor junction, Lift lobby, Street surveillance).

### FLEXIBLE INSTALLATION OPTIONS

Designed for quick, simple and intuitive installation, the C-Series boasts a range of complementary accessories to support a variety of installation needs, making it extremely versatile.

As a ceiling mounted camera, users will experience the best in 360-degree fisheye and based on use case, also simultaneously stream 2 and 3-way Corridor, and VCam views. When wall mounted, the C-Series is transformed into a 180-degree camera to deliver natural dewarped Panoramic+ views.

### C-08, 360-DEGREE VIEW STORE FLOOR

- Complete 360-Degree overview.
- Detailed coverage of smaller areas.
- A single 360-degree camera can replace four to five narrow field-of-view cameras, which can significantly reduce costs.
- Multi-Mode: 360-degree view can be used for retrospective investigation, while the different dewarped views can be displayed on the screen of a control room for more natural live viewing.

### C-12, 180-DEGREE PANORAMIC+ VIEW PARKING LOT

- Detailed coverage of larger areas (Natural ultra-wide panorama).
- 180-Degree Panoramic+ view (Ideal for wall mounted cameras).
- True edge-to-edge 180-degree image from a single sensor camera, with no blind spots, stitching, alignment or light issues.
- Extensive wide area coverage is enhanced due to tilted wall installation, Suitable for parking lots, perimeter protection, corridors, desk areas in hotel lobbies.



# MULTI-MODE CREATE YOUR VIEW

Wouldn't it be great to watch only what matters in a live scene with crisp natural looking views, and still record in 360-degrees? With our enhanced Multi-Mode technology, you no longer have to choose between native fisheye and dewarped views. With Multi-Mode, you can maintain all the usual benefits of a 360-degree view, and now create 180-degree Panoramic+ views, 2 and 3-way corridor views and VCams depending on your camera mount orientation.

For example, the 360-degree view can be recorded for retrospective investigation, while the different dewarped views can be displayed on the screen of a control room for more natural live viewing. The flexibility doesn't end there: you can run streams at different frame rates, deciding which streams to watch or record at which frame rate.

With Multi-Mode, you can choose to stream up to 4 different views simultaneously from the following ones:

**Fisheye:** the standard 360-degree fisheye view, ideal for total situational awareness.

**Panoramic+:** a 5:2 pre-dewarped panoramic view ideal for wall-mounted cameras, that uses the center of the fisheye sensor to generate a true 180-degree image.

**Corridor+:** a split 2-way corridor view from a ceiling mounted camera, allowing you to watch both directions of a 360-image as a single stream at the same time.

**T Corridor+:** a 3-way junction view from a ceiling mounted camera, T Corridor+ allows you to see in all three directions as a single stream at the same time.

**VCam:** a user defined dewarped view of a specific chosen area of the fisheye image.



Image 1: Ceiling mount applications with **T Corridor+** for live monitoring, 2 **VCams** to focus on what matters and a **fisheye** for retrospective playback

# CUTTING EDGE ONCAM TECHNOLOGIES

## STREAMLITE COMPRESSION

High definition video means more detailed pictures, but it can also mean that more bandwidth and storage are going to be needed. With StreamLite compression technology, you can maintain Oncam's market leading image quality while lowering your video bandwidth and storage demands by an average of 50% or more, and in scenes with low motion, by over 90% with minimal impact on the final image quality, but most of all, without compromising on the details that matter.

## TRUEDetail HDR

Whether indoors or outdoors light is constantly changing, and in many cases surveillance cameras are capturing light and dark areas simultaneously. This can cause issues. Dark areas need a longer exposure than the bright areas, so when both exist in the same scene, one of them loses out and detail is lost. TrueDetail HDR solves these issues easily, by capturing two different images of the same video frame, with two different exposure levels. Then using advanced image tools, it merges them to create a balanced image bringing out the detail in both dark and bright areas.

Unlike traditional sequential HDR technologies, TrueDetail HDR captures the two frames concurrently thus minimizing the time lag between short and long exposures so you can experience clear and sharp images with minimal motion blur. You get to see details you didn't even know were there!

## ADVANCED LIGHT MANAGEMENT

Capturing good quality usable footage in poorly lit areas is notoriously difficult. Garages, warehouses and parking lots are often vulnerable to areas of poor lighting especially throughout the night. Advanced Light Management Technology dynamically manages the available light to achieve the best results in every corner of every 360-degree scene.

Whether it be extreme low light or a complex mixed lighting environment, Advanced Light Management Technology automatically optimizes image quality whatever light is available, to produce clearer, full-color, lower noise surveillance videos, while maintaining the sharpness of static or moving objects even in very low light conditions. With this technology you can see the finer details in challenging low and mixed light conditions and have the flexibility to choose your imaging preference, whether that be to achieve the sharpest motion or the most exposed low light details. With advanced light technology day or night you never miss a thing.



# DESIGNED TO MEET THE SURVEILLANCE AND SECURITY NEEDS OF ANY ORGANIZATION

Oncam's C-Series cameras offer an unparalleled 360-Degree situational awareness to meet a wide range of surveillance and security needs. The combination of these cameras allows a unique way to capture an area without blind spots, as well as multiple use cases that are not possible with traditional narrow-field-of-view cameras.

If you need 360-degree panoramic coverage of larger areas with fewer cameras, and crisp views of highly important and sensitive areas, anytime, anywhere, use the 12MP C-12 Indoor or Outdoor Camera, and the 8MP C-08 Indoor or Outdoor Camera for complete 360-Degree overview or detailed coverage of smaller areas.

Engineered and designed by Oncam and powered by the leading Qualcomm® Vision Intelligence Platform, the C-Series cameras achieves complete situational awareness, at up to 60 fps and leverages state-of-the-art technologies, including StreamLite+ Compression, TrueDetail HDR, and Advanced Light Management to deliver Oncam's leading image quality in challenging light conditions while lowering bandwidth and storage demands.

The recently launched Multi-Mode technology allows users to stream up to four different views, whilst maintaining an impressive 30 fps on the primary stream while running three other streams.

Oncam's C-Series is designed to address and adapt to all your organization's surveillance and security requirements with great flexibility and versatility, in a discreet and compact package.

To learn more about the 360 and 180-degree capabilities of our C-Series cameras and how they can benefit you visit [our website](#).



## ABOUT US

Oncam is a global independent manufacturer specialized in single-sensor 360-degree fisheye cameras and video surveillance technology. The company creates and deploys an open platform with specialized IP video and dewarping technology to create award-winning video-led solutions for stakeholders from C-suite to the security officer in multiple customer sectors. Oncam allows better decisions to be made based on real-world and digital data.

Oncam, founded in 2007, is part of ONVU Technologies Group, and is a leading innovator in 360-degree and panoramic IP video technologies globally. Oncam is headquartered in Switzerland and operates from regional hubs in the UK, US and India.

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