Panasonic AW-UR100

ProdCode: PANAWUR100GJ

IP65-compliant outdoor 4K PTZ

[Download Images] (.zip file)

Features

- IP65-compliant outdoor 4K PTZ
- High-precision 4K/ 60p images, supported by D.I.S.S. (Dynamic Image Stabilizing System)
- Compatible with 4K/60p shooting
- Built-in cropping function
- 24x optical zoom / 74.1° horizontal wide-angle images
- Three types of image stabilization, O.I.S., E.I.S. and D.I.S.S.
- Durability to withstand the harshest of environments

4K recording in all kinds of Outdoor Environments

Watching live broadcasts of sports and live outdoor performances through streamed video has become a popular form of entertainment. Live broadcasts of sporting and other outdoor events have become a common and popular form of entertainment. As the use of video for a variety of different business activities and daily life has become common, the ability to produce and use video with limited resources is becoming increasingly important.

No matter how adverse the conditions, the UR100 is a 4K PTZ camera that reliably delivers high-precision images in 4K/ 60p thanks to D.I.S.S. support. This enables live transmissions on ships, during snowstorms and typhoons, as well as on-site management of airports or warehouses in coastal regions. A wide choice of protocols and I/Fs allows for a flexible and efficient system setup and reduces the risk of false recordings and errors, giving video producers peace of mind.

High-precision Image Capture That Never Misses Those Crucial Moments

You can never predict where or from what angle important scenes will be captured, so the UR100's wide shooting range and 74.1° wide-angle lens ensure you don't miss any crucial moments. With the 24x optical zoom lens, even hard-to-reach people such as athletes or stage performers can be perfectly captured at large venues - from a bird's eye view or even as a close-up. Additionally, the AW-UR100 can output entire images in 4K and at the same time create cropped shots from portions of the video. You can specify up to three different positions for cropping. In addition, you can zoom in on cropped images up to five times using the cropping zoom function*. The PTZ can be easily accessed and operated from the remote camera controller AW-RP150GJ/RP60GJ or from a PC.

* The image quality of FHD cropping cannot be retained when cropping zoom is used

The industry's first* IP65-compliant outdoor PTZ

AW-UR100 has 4K with about four times more pixels than FHD (Full High Definition). It also supports 60 frames per second (4K/60p) recording. Even motion-intensive scenes can be recorded without image loss, resulting in a natural, smooth image in high resolution with high-quality colours.

* As of March 2023, according to our own research.

3 Types of image stabilization systems

Low-frequency vibrations, such as those caused by mounting on high poles or ceilings, are a challenge for outdoor PTZ cameras. To address this problem, the AW-UR100 is equipped with three types of image stabilization systems: optical image stabilization (O.IS.), electronic image stabilization (E.I.S) and pan/tilt image stabilization (D.I.S.S. or Dynamic Image Stabilizing System). The pan/tilt function has improved responsiveness and allows the camera to rotate smoothly to minimize shaking caused by external disturbances. In addition, the two-stage vibration correction with O.I.S. and E.I.S. ensures stable image capture regardless of the installation environment.

Flexibility in System Construction

Responding to the diversification of requirements in outdoor video shooting, the AW-

UR100 is equipped with video transmission I/F options that can support major baseband transmissions such as 3G-SDI, 12G-SDI, Fiber, etc. It also supports various IP protocols such as NDI® and SRT. Flexible enough to be adapted to various shooting environments and existing video production systems, it can be used in a wide range of installation environments and for purposes of image capture, editing, and distribution. The AW-UR100 helps you to widen the world of utilization and expression for outdoor image capture. You can connect the AW-UR100 with AR/VR*2 systems with the output of FreeD*1 compliant commands. By outputting tracking data of cameras (pan/ tilt/ zoom/ iris) in conjunction with synchronization signals, therefore the construction of a system without an encoder is easily possible.

* 1: Freed is a protocol that is sued to output tracking data for camera position movements to used with AR/ VR systems
* 2: AR: Augmented Reality, VR: Virtual Reality

Various Scenarios where the UR100 can be utilized

- **Broadcasting, Streaming and Distribution of Sporting Events**
  Live broadcasts of sports games such as American football, soccer, and baseball.
  Video distribution of horse races, boat races, bicycle races, etc., confirming foul and penalty calls during sporting events, etc.
- **Capturing Images of Facilities and Large Vessels in Coastal Areas**
  Video production for news footage at airports, Streaming video from warehouse areas along the coast, video shooting of events along the coast, and on large ships, etc.
  Video production of attractions along the coast. As surveillance video by the Coast Guard, etc.
- **Image Capture for Sports Coaching**
  Image capture of practice and practice matches. Image capture of games for coaching purposes, etc.
- **Image Capture and Streaming as a Weather or Information Camera**
  Fixed-point observation, live camera, weather camera, live broadcasts of outdoor competitions such as triathlons and marathons.

Equipped with three types of image stabilizing systems: O.I.S, E.I.S, and D.I.S.S (Dynamic Image Stabilizing System)

One of the challenges for outdoor PTZ cameras such as those mounted on a high pole or ceiling-mounted cameras has been low-frequency large amplitude swing from wind. To eliminate this problem, the AW-UR100 is equipped with three types of image stabilizing systems; optical image stabilization (O.IS.), electronic image stabilization (E.I.S), and Pan/Tilt image stabilization (D.I.S.S, or Dynamic Image Stabilizing System). The Pan/Tilt function has improved responsiveness enables smooth rotation of the camera to minimize trembling caused by external disturbances. In addition, the

two-step vibration correction with O.I.S and E.I.S provides stable image capture regardless of the installation environment.

Various I/F and Supported Protocols

A major update from the HR140 with two 3G-SDI ports, the AW-UR100 is equipped with video transmission I/F options that support major baseband transmissions including 3G-SDI, 12G-SDI, and Fiber. 12D-SDI ports can also be used for 3G-SDI. As it supports major IP transmissions such as NDI®, SRT, and RTMP, you can utilize the AW-UR100 in your existing system environment.

 * NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow.
* NDI® is a registered trademark of NewTek, Inc. in the United States and other countries.
* In this instance, NDI® is used to indicate low latency with high bandwidth NDI®.

Need Further Support?

If you have any questions or require additional support regarding this product release, please do not hesitate to contact us. Our team is here to assist you with any inquiries or provide further information or marketing collateral as needed.

Contact Us:

- Marketing - marketing@holdan.co.uk
- Sales - sales@holdan.co.uk
- Technical Enquiries - techsales@holdan.co.uk
- Request Demo product loans - demo@holdan.co.uk

We value your partnership and are committed to ensuring a successful product launch. Thank you for your continued support.