

Airborne High Definition Camera



Applications

- Flight test instrumentation
- De-icing video
- High vibration scene - cockpit displays
- Aircraft monitoring

Features

- High Definition (1080p/30/60 720p/60)
- Sensor pixel resolution: 1944H x 1092V (2.1 Mp)
- Sensor type: 1/3-inch CMOS, active-pixel sensor array
- Lens mount: C-mount with adjustable back-focus
- Operating temperature: -20°C to +70°C
- HD-SDI output (SMPTE 292M) & CVBS (NTSC/PAL) output
- Rugged, lightweight and miniature size
- Fast auto exposure
- Auto white balance
- High dynamic range
- 2D/3D noise reduction
- Defective pixel correction
- Gamma correction
- Low latency
- +28V Power

Description

The TTC high-definition HDC-330 camera design provides a unique solution for applications where space is at a premium, including airborne, automotive and ground testing. The HDC-330 is designed as an Airborne-rugged High Definition (HD) camera for the Test Engineering community. With its miniature size; the enclosure dimensions are 1.5" W x 1.5" H x 1.9" D (38mm W x 38mm H x 48mm D), the HDC-330 camera is able to be mounted in virtually any situation that arises on an aircraft in any test condition. The fast exposure quickly adjusts to changing light. The High Dynamic Range (HDR) and Wide Dynamic Range (WDR) imaging continuously adjusts to changing light situations and assures high accuracy by removing over and under saturation artifacts in each frame while auto-exposure and auto-white balance adjust for perfect color balance. All image processing is done in Custom ASIC for extremely low latency. The HDC-330 camera has an HD-SDI and CVBS (RS-170A/NTSC/PAL) output. The HD-SDI output is 1080p30/60 and 720p60 video resolution.

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HDC-330 Datasheet

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Specifications subject to change without notice.

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