

HDC-P31

HD compact POV system camera with enhanced remote features and advanced HDR workflows



NETWORKED LIVE

Overview

The flexible and lightweight new HD model is ideal for studio, faith, and rental applications, and sports production. The HDC-P31 can be mounted in hard-to-access locations or used on a crane, rail, or robotics system. It incorporates a global shutter three 2/3-inch CMOS sensor system for enhanced optical performance that provides high sensitivity and low noise. In addition, the camera is designed to be used as an integral part of our HDC series ecosystem creating the same stunning images, while ensuring the consistent workflow with employing a POV form factor.

Enhanced remote features

Remote access via WEB UI(*1) enables menu setting, status monitoring, log files, and firmware updates of the camera, when installed in hard-to-access sites. The back focus of the supported lens(*2) can be adjusted remotely from the Sony master setup unit (MSU) or remote control panel (RCP) and IP tally supports flexible and longer connection via network cable. These features help to achieve more efficient workflow.

New standard for Premium HD

Utilizing our state-of-the-art imaging technology, HDC-P31 delivers superb HD images with exceptional high sensitivity of F12/F13(*3) and impressive low noise of 62 dB. Adopting same CMOS technologies, the camera can ensure consistent picture

quality, system, and workflow with our HDC series of system cameras. With its compact and lightweight design, the HDC-P31 further expands the applications such as in studio, events, faith, as well as hard-to-access shootings on crane, rail, or dolly.

Ready for HDR workflows

HDC-P31 supports HDR by S-Log3/HLG and our SR Live workflow, allowing simultaneous production in HDR and SDR. The camera also supports SR Live metadata, which is embedded in the SDI signal feed to maintain the quality of both HDR and SDR signals.

The HDC-P31 is designed to meet the increasing demands of HDR production, across the globe.

*1 To be supported in 2020 winter.

*2 Contact your Sony sales office or representative for details.

*3 F12 at 1080/59.94p, 720/59.94p, F13 at 1080/50p, 720/50p

Features

Highly sensitive three 2/3-inch global shutter CMOSs

HDC-P31 offers premium pictures with the latest 2/3-inch CMOS sensor with global shutter technology that eliminates the "jello effect" and banding noise. The latest imager and signal processor allow the camera to capture pristine images with low noise (62 dB) and excellent sensitivity (F12 at 1080/59.94p, 720/59.94p, F13 at 1080/50p, 720/50p).

ARIA: Automatic Restoration of Illumination Attenuation

F drop and peripheral light loss are unwanted physical phenomena especially in long-distance object shooting. Thanks to the newly developed ARIA function of HDC series, the impact on picture appearance is automatically compensated for by processing inside the camera for the supported lens.*

*Contact your Sony sales office or representative for details.

Quick setting from Web UI

The HDC-P31 supports Web Access for the setting changes, status monitoring, and firmware upgrades, via network. The camera configuration can be changed, on site, without removing the camera from its position in potentially hard-to-reach locations.

RBF: Remote Back Focus

The back focus of the supported lens* can be adjusted remotely from the Sony master setup unit (MSU) or remote control panel (RCP). This helps back-focus check and adjustment and shortens preparation time during production.

*Contact your Sony sales office or representative for details.

HDR/SDR simultaneous production (SR Live)

HDC-P31 is designed following our market-leading SR Live workflow. The SDI OUT 1/2 can output the HDR & SDR simultaneously and they are linked with SDR gain. It does not need to care parallel adjustment.

SR Live Metadata

HDC-P31 also supports SR Live metadata. It is embedded in the SDI signal feed and enables to maintain the quality of both HDR and SDR signals as defined by camera shaders, throughout the live production pipeline. The HDR parameters can be easily monitored on supported devices such as waveform monitors.

Easy operation via software master control: HZC-CSM10

Software-based master control panel HZC-CSM10 enables comprehensive operation & visualization of HDR workflow. All the HDC cameras are linked via network & quickly respond to the central operation.

Related products



HZC-PRV50 / HZC-PRV50M / HZC-PRV50W

Software licenses for shooting and transmission of Progressive video



HZC-PSF50 / HZC-PSF50M / HZC-PSF50W

Software licenses for shooting and transmission of PsF format video



HZC-UG50 / HZC-UG50M / HZC-UG50W

Software licenses for shooting 1080/RGB 4:4:4 & User Gamma with HDC-5500/3500 series system camera



RCP-3500
Remote-control panel for HDC/HSC/HXC series cameras



MSU-3000
Master setup unit, multi-camera remote control panel for system cameras (horizontal type)



MSU-3500
Master setup unit, multi-camera remote control panel for system cameras (vertical type)



HZC-CSM10
Master Setup Unit (MSU) PC Software



RCP-3501
Remote-control panel for HDC/HSC/HXC series cameras



HDRC-4000
HDR Production Converter Unit



CNA-2
Camera Control Network Adapter

Gallery

