

PWS-110RX1A

Network RX Station



Overview

Simple, robust and affordable live streaming solution for broadcasting

Sony's Network RX Station, the PWS-110RX1A, can be used stand-alone. Depending on the configuration, it can accept live video and audio directly from a vast array of supported camcorders and adaptors via single or dual link connection using cellular, Wi-Fi or wired networks. The Network RX Station delivers uncommonly high quality HD streams.

Live streaming from camcorders is very popular right now, and it's not hard to see why. News organizations want the fastest access to breaking stories and editors want to get the fastest possible head start on incoming footage. But not all streaming technologies are created equal.

At the high end, satellite and microwave contribution work well—if you can afford the van, the antennas and the operating costs. Low-end Wi-Fi based solutions are good for providing pictures to an audience that might otherwise be left in the dark. But all too often, the video stream is marred by picture freezes, dropped frames and macro blocking. That's why Sony developed advanced streaming with Quality of Service (QoS) for our PWS-110RX1A streaming receiver. You get maximum performance at minimum cost.

Features

Stable live streaming with Sony's QoS technology

Network packet loss, during streaming, can degrade image quality, cause image freezing and disrupt the audio. Sony's Quality of Service (QoS) technology helps maintain video and audio integrity during transmission. Original Sony algorithms automatically optimize bandwidth and buffer size according to the transmission conditions. Technologies like real-time automatic repeat request (ARQ), adaptive rate control (ARC) and forward error correction (FEC) maintain signal integrity. You get high-quality streaming without the need for manual adjustments.

Cost efficient live streaming of 1080i and 720p over cellular, Wi-Fi or Wired Ethernet

The unit receives connections from up to 30 Sony supported Camcorders and adapters via cellular, Wi-Fi or wired Ethernet networks in a variety of broadcast formats, including 1080i and 720p. The system can handle live streams, each from 0.5 - 12Mbps.

Direct streaming from a wide range of XDCAM camcorders, adapter and mobile phones

Supported camcorders use a cellular/Wi-Fi dongle or CBK-NA1 Ethernet adapter, and non-supported devices can use the CBK-WA100 and CBK-WA101 adapters along with a cellular/Wi-Fi dongle or CBK-NA1 Ethernet adapter.

Remote file transfer

The PWS-110RX1A allows a user to remotely access proxy media within a supported camcorders or adapter. The remote operator then has the ability to execute a file transfer from the camcorders or adapter to an FTP server or cloud service of their choice.

Two simultaneous SDI output streams

Output up to two live streams of SDI for downstream systems such as a switcher or an ingest server. Multiple PWS-110RX1A units can be ganged together to allow additional camcorders

connections and SDI outputs, all while using single user interface.

Broadcast standard connectivity

In addition to two SDI outputs, the receiver includes reference and timecode input connectors, to enable synchronization with broadcast systems.

Intuitive web-based management GUI

Web-based management GUI, Connection Control Manager software enables easy connection to camcorders and delivers efficient handling of the live streams. The software is preinstalled on the PWS-110RX1A and presents a comprehensive GUI that can be used, for example, to view thumbnails from multiple camcorders; to control camcorder connections, transmission bit rates, and latency settings; and to monitor output from multiple PWS-110RX1A units.

Optional licenses to enhance your workflow with additional features

PWS-110RX1A is flexible platform to enhance your workflow with additional features with optional paid licenses. The following products are available now:

- Dual Link License (PWSL-RXDL series): activates feature of receiving QoS live streaming from camcorders /adaptors with two aggregated cellular connections.
- Advanced Camera License (PWSL-RXAD series): activates advanced network features (HEVC QoS live streaming and Intercom features) with PXW-Z280 and PXW-Z190.
- XDCAM pocket License (PWSL-XPT series): activates feature of receiving QoS live streaming from XDCAM pocket mobile application.

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products



PXW-Z280

World's first 4K
Handheld Camcorder
with 1/2-type 3CMOS
with 4K 50p/60p
recording capability,
12G-SDI, Dual Link
Cellular capability, 17x
zoom lens, advanced
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