

Print Farm Pro

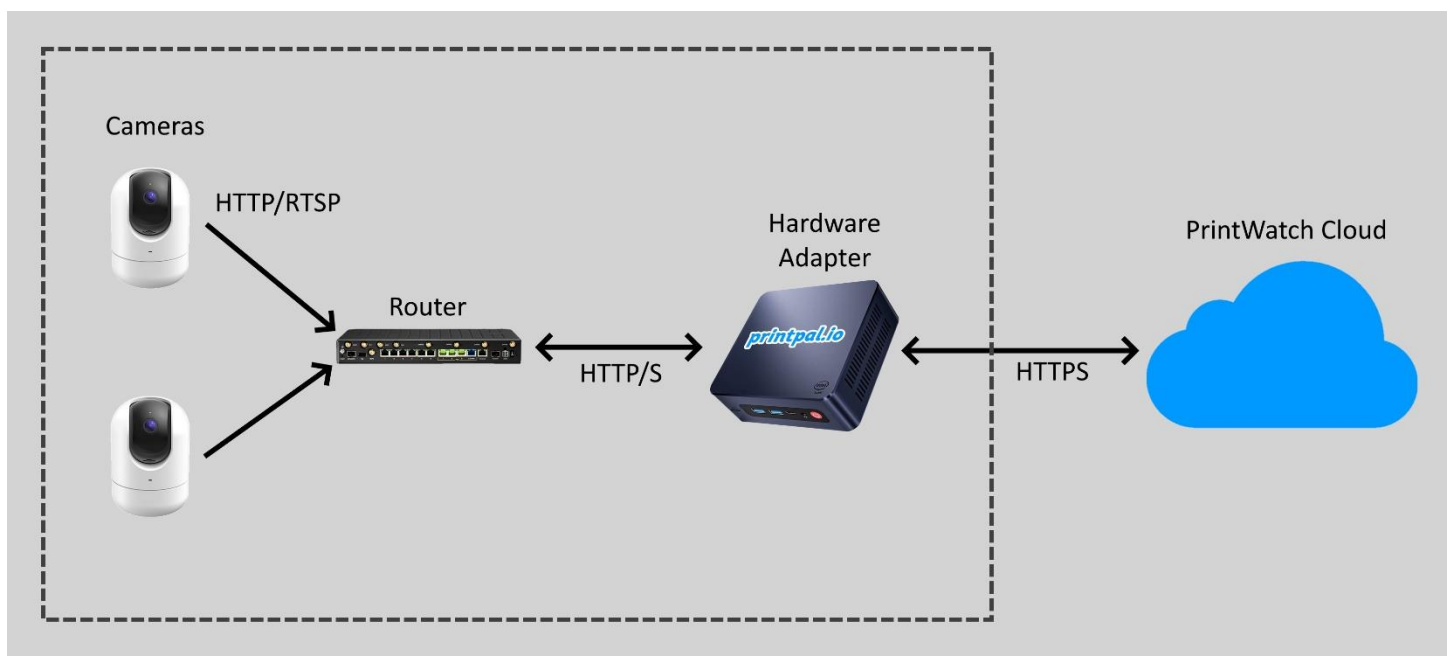
Technical Overview

Print Farm Pro securely connects your cameras to the PrintWatch Cloud using a centralized hardware adapter. The centralized hardware architecture allows you to configure and manage all the printers in one location. Any number of cameras may be added to monitor any number or printers.

Each camera has the ability to monitor multiple printers/locations within the video stream and has the ability to block out certain regions.

The centralized hardware allows for easy scalability and streamlining of 3d printing operations while reducing the need for additional hardware.

Architecture



Camera streams are routed to the Hardware Adapter via common streaming protocols like RTSP and HTTP/S. The Cameras can be hard-wired via RJ45 cable or connected to the same WiFi network as the Hardware Adapter.

The Video streaming sources are all configured and managed on the Hardware Adapter. The Hardware Adapter communicates securely with the PrintWatch Cloud via SSL encrypted HTTPS requests.

Hardware Adapter

The hardware adapter is built on top of the Windows 11 and/or Linux Operating Systems. The hardware adapter communicates securely via Ethernet/IP using the preconfigured ports for the cameras and PrintWatch cloud.

Technical Specifications

Print Farm Pro Specifications	
Camera streaming protocol	RTSP, MJPEG, HTTP/S
Minimum recommended camera resolution (pixels)	1280 x 720
Minimum recommended camera resolution per printer (pixels)	600 x 600
Minimum recommended internet speed (MB/s)	5
Hardware operating system	Windows 11
Communication protocols	Ethernet/IP, WiFi

Contact for more information:

printpal.io

Vice President of Operations

Daniel Kuzmin

kuzmind@printpal.io