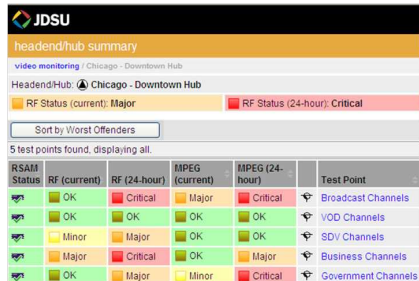


# ISS-5116A RF Switch

## PathTrak™ Video Monitoring System



RSAM Status	RF (current)	RF (24-hour)	MPEG (current)	MPEG (24-hour)	Test Point
OK	OK	Critical	Major	Critical	Broadcast Channels
OK	OK	OK	OK	OK	VO D Channels
Minor	Minor	Major	OK	OK	SDV Channels
Major	Major	Critical	OK	Major	Business Channels
OK	OK	Major	Minor	Critical	Government Channels



### Key Benefits

- Increases number of RF test points for analyzing and monitoring both broadcast video and narrowcast services such as DOCSIS®, video on demand (VoD) and switched digital video (SDV)
- Provides economical access to individual nodes for auditing and troubleshooting, reducing truck rolls by segmenting inside/outside plant issues
- Reduces CapEx by combining monitoring and troubleshooting in one platform
  - Seamless trouble-ticket transition greatly reduces the mean time to repair (MTTR)
  - Remote diagnosis lets you target engineer dispatches for more efficient truck rolls
- Addresses the RF cable edge to complement existing IP transport-monitoring solutions based in/on the IP core
- Reduces OpEx by providing consistent information to the NOC and field technicians from the same source

### Applications

- Ensure quality of content after modulation and combining at the cable edge, the handoff to the HFC network
- Economically add test points for remote auditing, troubleshooting, and segmentation, without reducing monitoring speed.
- Cost-effective expansion of hub monitoring
- Monitor and troubleshoot analog RF, QAM, and DOCSIS services
- Reduce customer churn by proactively monitoring all services

The ISS-5116A is a 19-in, rack-mounted input selector switch that works integrally with the RSAM-5800<sup>XT</sup> and PathTrak Video Monitoring System (PVM) that lets you add additional input ports to the RSAM-5800<sup>XT</sup>. The RSAM-5800<sup>XT</sup> can manage up to eight ISS-5116A switches giving access to as many as 128 ports from a single RSAM. For optimal performance when monitoring, JDSU recommends not using more than two switches (32 test points) per RSAM. However, you can use additional test points for remote hub/modulator audits and for troubleshooting and segmentation when needed, preventing unnecessary truck rolls.

PVM gives providers unprecedented visibility at the cable edge to verify service quality and to aid rapid fault identification. Combining the extensive RF and MPEG expertise of JDSU in monitoring and analysis, PVM lets you quickly identify real customer-affecting issues.

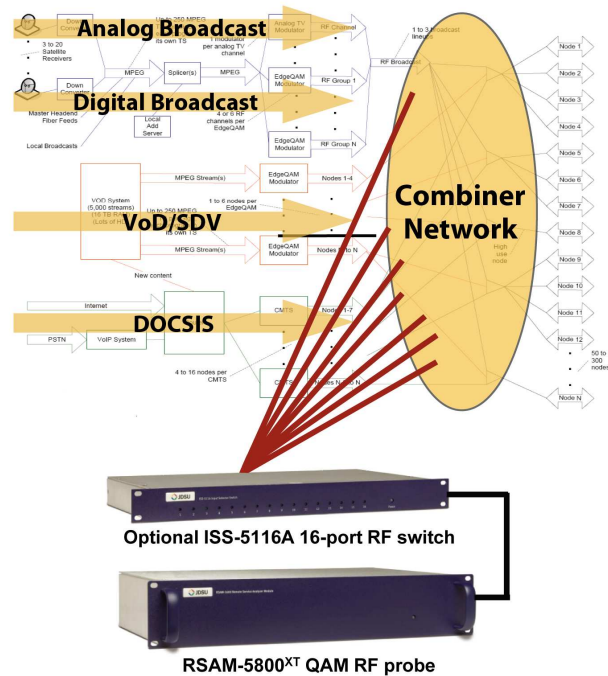
Take control of your video services with the award-winning JDSU PathTrak Video Monitoring System.

**Specifications**

Parameter	Value
Frequency range	500 kHz to 1000 MHz
Impedance	75 $\Omega$ nominal
Insertion loss	3.8 dB maximum (less than 0.5 dB variation port to port)
Ripple	Less than 1.5 dB ripple or tilt over frequency range
Isolation	55 dB minimum over frequency range
Max total integrated power	+60 dBmV
Power supply	120/240VAC 50 – 60 Hz (auto sensing)
Size (H x W x D)	44 mm x 475 mm x 144 mm (1.75 in x 19 in x 5.75 in)
Weight	4.8 lbs (2.18 kg)
RF interface (Input/Output)	16 x 1 – 75 $\Omega$ , F-type
Operating temperature range	0 to +50°C (32 to 120°F)

**Ordering information**

Part number	Description
ISS-5116A	RSAM RF input selector switch (includes 1 x ISS-RSAM-CABLE-A)
ISS-RSAM-CABLE	15-pin serial data cable to connect the RSAM to the ISS-5116A switch


**Test & Measurement Regional Sales**

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