

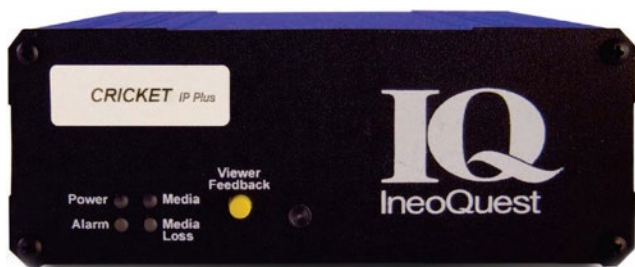
Cricket® IP Plus

Video Edge Monitoring and Troubleshooting Tool for 10/100 Ethernet Interfaces

Cricket® IP Plus is a powerful, cost-effective 10/100 Mb Ethernet Video quality and service assurance monitoring and troubleshooting probe for operators who need to monitor, analyze and debug at the video edge or customer premise for IP and MPEG transport quality. Cricket IP Plus is perfect for monitoring at the network edge by providing continuous monitoring of up to 20 Unicast or Multicast flows with deep MPEG packet inspection.

Integrating iVMS™ correlates information from all IneoQuest probes in the network with all real-time measurements that Cricket IP Plus is logging, and notifies the network operations center (NOC) of any problems. Cricket IP Plus can also be integrated with IneoQuest's IQRTview software application. Alerted to a specific video edge and customer premise fault, the service provider can be proactive in correcting the situation, potentially leading to reduced call center traffic volume.

Cricket IP Plus is ideal for debug and analysis of Unicast and Multicast IP flows and is able to issue Multicast joins and measure IGMP performance in real-time. The 10/100/1000Mb Fast Ethernet management connection allows an IP communication path to IneoQuest's iVMS intelligent video management system, IQRTview, IQMediaAnalyzer Pro®, or the web configuration interface for seamless monitoring from the headend to home. Combined with the iVMS, Cricket IP Plus, in addition to the rest of the IneoQuest portfolio, provides the most advanced IPTV Quality and Service Assurance solution available.



APPLICATIONS

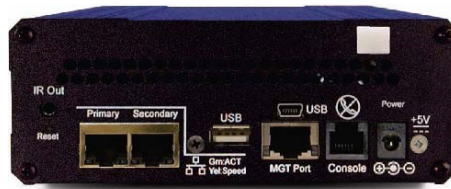
- Ethernet edge confidence monitoring
- Debug and troubleshoot video edge on Ethernet interfaces
- Measure MDI IP flow performance
- IGMP measurements and performance
- Validate MPEG transport stream
- Measure and analyze video content in real time

KEY FEATURES

- Integrates with iVMS video management system and IQRTview
- Real-time media loss measurements of transport stream
- Monitors up to 20 IP flows with 10/100 Mb monitoring bandwidth
- Supports SD/HD over SPTS and MPTS
- Supports MPEG2/MPEG4
- 200 MB of video record/capture buffer
- MPEG analysis TR 101 209
- Customizable alarms/field upgradeable
- USB support for field technicians
- User feedback controls
- Dedicated 10/100/1000 Mb management connection

SEAMLESS INTEGRATION WITH INEOQUEST'S MONITORING PORTFOLIO

Multiple Cricket IP Plus probes can be integrated into the iVMS video management system for centralized network monitoring. From the iVMS, operators can visualize reports from diverse Geminus™, Singulus™ or Cricket probes and quickly and accurately correlate video/transport plane issues.



Offers SPTS/MPTS monitoring and analysis capabilities and comes complete with 10/100Mb Ethernet ports and USB for connection to any Windows PC

SPECIFICATIONS

| PHYSICAL | |
|-------------------------|--|
| Description | Specification |
| IP Cricket Dimensions | Width: 5.3" (134.6mm) Height: 2.12" (53.9mm) Depth: 7" (178mm) |
| Power Supply Dimensions | Width: 1.96" (50mm) Height: 1.23" (31.2mm) Depth: 4.33" (110mm) |
| Weight | 0.61 kg (1.35 lbs) 1.13 kg (2.49 lbs) - with external power supply and power cord |

| ENVIRONMENTAL | |
|-----------------------|---|
| Description | Specification |
| Operating Temperature | 0 to 40°C |
| Storage Temperature | -20 to 60°C |
| Environment | Indoor use only in a non-explosive atmosphere. Pollution degree 2 |
| Operating Altitude | 2000m maximum |
| Operating Humidity | 80% maximum for temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C |

| REFERENCE CLOCK AND CALIBRATION | |
|---------------------------------|---|
| Description | Specification |
| Internal Reference Clock | 25 MHz +/- 50ppm accuracy |
| Calibration | The Cricket requires no periodic calibration adjustments during its lifetime. |

| POWER AND COOLING | |
|--|--|
| Description | Specification |
| Power Requirements - External Power Supply | Mains Supply: 100 to 240VAC, 0.6A, 50 to 60Hz, voltage fluctuations up to +/- 10% of the nominal voltage |
| Power Requirements - Cricket IP | 5 volts DC, 1.6A via external power adapter or Rack Mount Kit |
| Power Output to USB Host Port (type A connector) | 5 volts DC, 0.5A MAX |
| Cooling | The Cricket enclosure and power supply are cooled by natural convection. Recommend spacing at least 1" from other objects and do not stack units. Cricket IP alone is 6.0 watts = 20.47 Btu/h Cricket IP with PS is 8.57 watts = 29.25 Btu/h |



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