

HST-3000

IP Video Option Specs

Modes	
Monitor (Ethernet and Through)	Terminate Stats for up to 10 Streams
Set Top Box Emulation	
IGMPv2 Emulation	Client
IGMP message status/decode	Status/error message
RTSP emulation	Client
VLAN Tag	On/Off
VLAN ID Selection	0 – 4095
VLAN Priority Selection	0 – 7
User defined MAC address	xx.xx.xx.xx.xx.xx
IP Address	
DHCP client	
DHCP Vendor ID extension selection	On/Off
DHCP Vendor ID data entry	alpha numeric
Service Selection	
	Broadcast Video – UDP
	Broadcast Video – RTP
	VOD
Video Source Address Selection	
	IP Address and Port Number
	IP Address, Port Number, and VOD URL extension
	RTSP Port Select
	RTSP Vendor Select
Multiple ATM VC Setup Selection	4
	Virtual Channels with Simultaneous Usage
	Selectable Tx PCR (peak cell rate) for Signaling Channel
Video Analysis is Per Video Stream (1 to 3)	
Simultaneous Stream Support	3
QoS	
PCR Jitter	mSec Current/Max
IGMP Latency	mSec
RSTP Latency	mSec Current/Max Pause/Play
Continuity Error Event Count (0.00%) for each:	
Current/Max/History Pass/Fail Threshold Selections	
Error Indicator Set Count	

Video MOS		MOS Score
Synchronization		Errors Count
Transport Stream (TS) Packet Analysis		
	TS Packets	Bytes
Total	X	X
Video	X	X
Audio	X	X
Data	X	X
Unknown	X	X
Video Stream Data Rates		
	Total	Current/Average/Min/Max
	Video	Current/Average/Min/Max
	Audio	Current/Average/Min/Max
	Data	Current/Average/Min/Max
	Unknown	Current/Average/Min/Max

IP Packet Analysis	
	Total packets RX count
	Jitter current/max
	RTP packets lost, count
	RTP OOS, count
	RTP Errors, Count

PID Analysis (each Stream)	
	PID Number
	PID Type (Video, Audio, Data, Unknown)
	PID Description

Summary Statistics	
	Active Stream Count: 1, 2, or 3
	Data Rates Combined: Current/Ave/Min/Max

Error Logging	
Timestamp for Error Events:	
QoS State Changes	Pass to Fail
	Fail to Pass

Signaling Protocol Message Decode:

IGMP Messages

RTSP Messages

- 500 Message FIFO Buffer Storage
- File Export

Test Access	
	ADSL1, 2-wire I/F
	ADSL 2, 2-wire I/F
	ADSL 2+, 2-wire I/F
	10/100 Ethernet I/F

Standards

RFS-2236, IGMP

RFC-2326, RTSP

ISO (IEC 13818), Video Transport Stream and Analysis

ETSI TR 10-290 V2.1, Video Measurements

TFC-1483; 2684, ATM AAL5

RFC-2364, PPPoAAL5

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