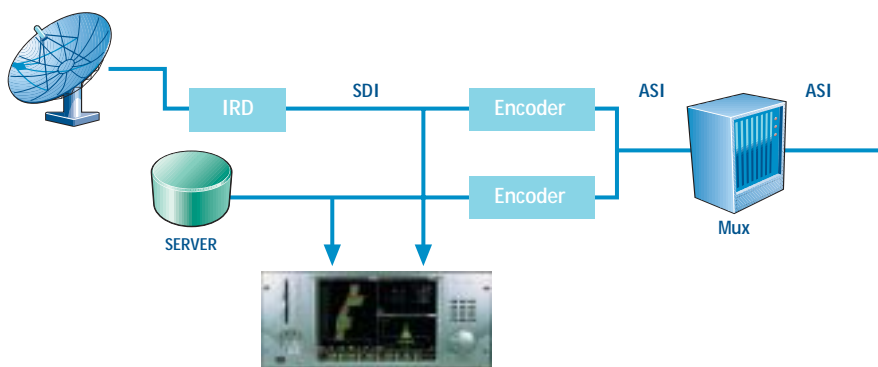




DVStation: Advanced Monitoring for Digital Networks

Quality Monitor Module



- Real-time Picture Quality Evaluation
- Real-time monitoring without a reference signal
- Source material independent
- Supports both NTSC and PAL
- Automate impairment detection
 - MPEG Quality
 - Black out
 - Freeze frame
- HTML, VNC, X-Window, SNMP and CORBA Remote Control
- Extensive long term logging of picture quality
- Built in trend analysis and graphing
- Extensible alarm system

BANDWIDTH VS. PICTURE QUALITY

SINGLE-ENDED MEASUREMENT

GRAPHICAL DISPLAY

Web Log Display
Measurement Log Display
View Summary Report

DVStation Quality Monitor Log (qmmlog.20011112.2) [View as text file \(download\)](#)

Port 4 (04)

Time	UTC Time	Status	Source Name	Mean Quality	Min Quality	Max Quality	Integration Factor	Quality State
14:55:35.412	08:55:35.412(+8:00)	OK	Port 4	3.947	2.844	4.813	5	Good
14:55:35.413	08:55:35.413(+8:00)	OK	Port 4	4.016	3.394	4.348	5	Good
14:55:35.415	08:55:35.415(+8:00)	OK	Port 4	3.959	2.856	4.307	5	Good
14:55:36.417	08:55:36.417(+8:00)	OK	Port 4	3.286	2.108	4.828	5	Good
14:55:36.413	08:55:36.413(+8:00)	OK	Port 4	3.289	2.552	4.258	5	Good
14:55:36.412	08:55:36.412(+8:00)	OK	Port 4	3.672	2.363	4.463	5	Good
14:55:35.418	08:55:35.418(+8:00)	OK	Port 4	4.049	2.552	4.813	5	Good
14:55:40.413	08:55:40.413(+8:00)	OK	Port 4	3.581	2.861	4.467	5	Good
14:55:45.415	08:55:45.415(+8:00)	OK	Port 4	4.032	2.394	4.307	5	Good
14:55:50.426	08:55:50.426(+8:00)	OK	Port 4	3.581	2.526	4.206	5	Good
14:55:55.417	08:55:55.417(+8:00)	OK	Port 4	3.230	2.155	3.357	5	Good
14:56:00.508	08:56:00.508(+8:00)	OK	Port 4	3.231	2.363	4.355	5	Good



IMPAIRMENT DETECTION

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-
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COMPREHENSIVE LOGGING



SPECIFICATIONS

Input Signal Format

- 270 Mb/s serial component digital video
- ITU-R BT.601, BT.655, SMPTE 259M

Impairment detection

- MPEG Quality
- Black-out
- Freeze frame

User Parameters

- Quality Threshold
- Time duration for black-out
- Time duration for freeze frame

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