

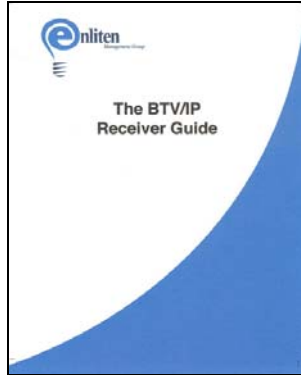


The BTV/IP Receiver Guide For the Enterprise Communicator

\$1,495

Includes ground shipping

Taking Business Television & Distance Learning to the Next Level



Are you an enterprise communicator with a satellite-based training and education network, thinking about migrating to an Internet Protocol (IP) platform?

Or perhaps you're building a business case for your first satellite-based network and need more information.

Enliten's **BTV/IP Receiver Guide for the Enterprise Communicator** offers information on one of the most critical components of a BTV/IP network: The satellite receiver.

What's in The Guide?

The Guide features detailed product specs and side-by-side manufacturers' comparisons of proven IP satellite receivers available on the market today, with information on these options:

- **BTV/Media Gateways** that provide –
 - Playback to a TV or stream to a LAN
 - A hard drive for storage
 - Robust router functionality
 - Middleware for BTV-specific applications
- **IP Satellite Routers** with robust router functionality for large enterprise environments
- **IP Satellite Receivers** with limited router functionality targeted to SOHO environments

BTV/IP SERVICES BY RECEIVER TYPE			
	BTV/IP MEDIA GATEWAYS	IP SATELLITE ROUTERS	IP SATELLITE RECEIVERS
Live Video to a Television	YES	NO	NO
Recording of a Live Broadcast	YES	NO	NO
Video On Demand to a Television	YES	NO	NO
Live Video Streaming to the Desktop	YES	YES	SOHO
Video On Demand to the Desktop	YES	H/W	H/W
Digital Display	YES	H/W	H/W
Traditional Interactive Distance Learning	YES	NO	NO
PC-Based Interactive Distance Learning	YES	YES	SOHO
Large File Transfer	YES	YES	SOHO
High Speed Internet Downloading	NO	YES	SOHO

YES = Compliant SOHO = Service compliant in Single PC or Small Office Only
 NO = Non-compliant H/W = Additional Hardware required to implement service

Table #5 BTV/IP Services by Receiver Type

Who Should Buy *The Guide* ?

- Enterprise communicators with BTV networks who want to reach employees at their workstations
- Communicators who want to transmit large files to their audience over the network
- Institutions with distance education networks who need more flexible and robust interactive learning options
- Decision-makers with large-scale communication and interactive requirements, who are preparing a satellite-IP network business case
- Small businesses and home office entrepreneurs who need to connect with suppliers, customers and partners

The Guide is a starting point to help enterprise decision-makers make an informed choice about the most vital component of a satellite BTV-IP network – the Receiver.

Once an important decision is made, *The Guide* also provides buyers with that all-important comfort level, knowing that they've made the best choice for their requirements and can back it up with research.

When, Where and How Do I Use BTV/IP?

This illustration shows the variety of applications and display systems that IP technology supports. Multiple programming channels and content are distributed to numerous screens in various locations, such as building lobbies, common areas, work areas, the shop floor or the retail floor. Or the desktop.

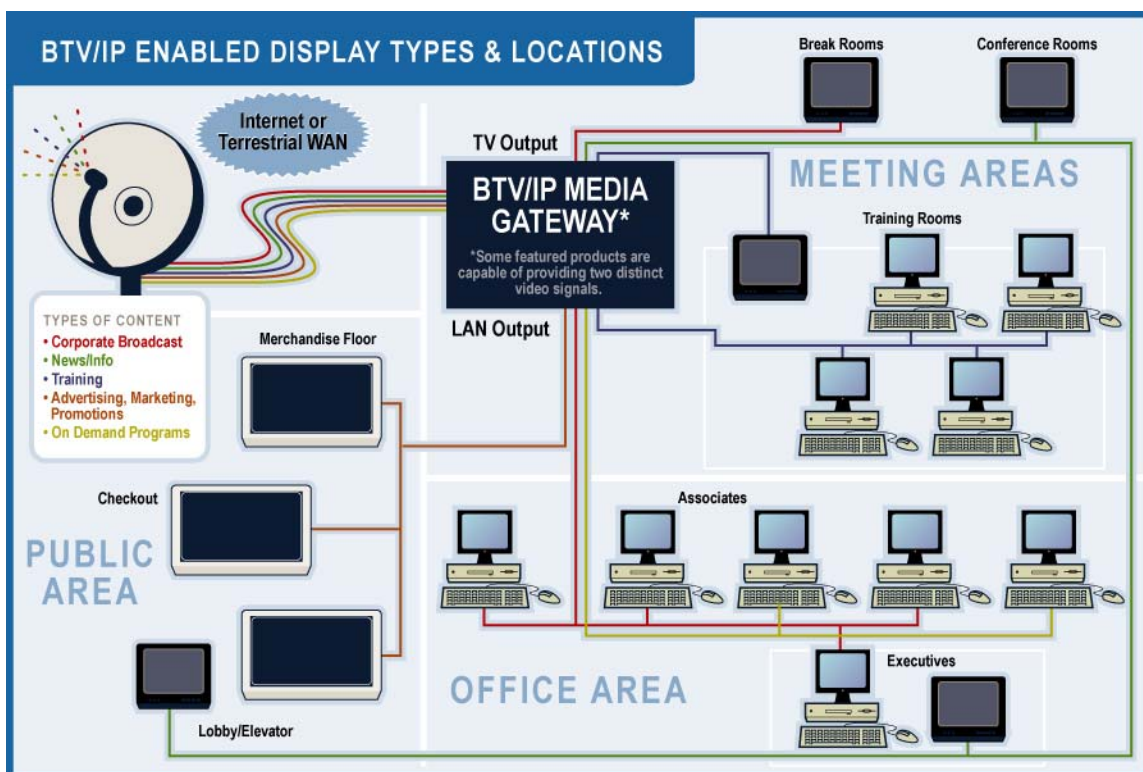


Figure #1 BTV/IP Applications and Display Opportunities

Make an informed choice for your BTV/IP network. Order *The Guide* now!

To Order:

Contact Randy Palubiak or Courtney Bromwich at 770/590-1625 for more information or answers to any questions...or via e-mail at rp1@enliten.net - cb1@enliten.net. Also, see attached Order Form.

Table of Contents

Executive Overview

Section 1: Introduction

- 1.1 What is the Purpose of this Guide?
- 1.2 What is BTV/IP?
- 1.3 Why is IP Significant?
- 1.4 Who is this Guide Written For?
- 1.5 What are the Benefits of BTV/IP to an Enterprise?
- 1.6 Why Does The Guide Focus on the Receiver?
- 1.7 What Products are Included in This Guide?
- 1.8 What is the Methodology for the Product Comparisons?
- 1.9 What are the Other Components of a BTV/IP Network?
- 1.10 What is Enliten's Outlook for BTV/IP Services?

Section 2: Benefits of BTV/IP Technologies and Services

- 2.1 A Proven and Integrated Technology
- 2.2 Corporate Communication and Training Networks
- 2.3 Benefits of Video On Demand for Corporate Communications and Training Networks
- 2.4 Benefits of Streaming Video to the Desktop for Corporate Comm. and Training Networks
- 2.5 Benefits of BTV/IP Technology for Retail Communication Networks
- 2.6 Benefits of Wide Area Network Overlay Services
- 2.7 Summary

Section 3: BTV/IP Network Architecture

- 3.1 Traditional BTV Network Architecture
- 3.2 BTV/IP Head End Architecture
- 3.3 How a BTV/IP Media Gateway Works
- 3.4 Live Video over Satellite to a Television
- 3.5 Recording Live Video at the BTV/IP Media Gateway
- 3.6 Storage of Pre-Recorded Video and Other Files to Remote Sites
- 3.7 Live Video over Satellite to the Desktop
- 3.8 Video-On-Demand to a Television
- 3.9 Video On Demand to the Desktop
- 3.10 Retail Network Applications
- 3.11 Interactive Distance Learning Applications
- 3.12 Satellite as an overlay to the terrestrial WAN
- 3.13 Hybrid Receiver Networks
- 3.14 Network Management System Functionality
- 3.15 Conclusion

Section 4: Overview of IP-Based Satellite Receiver & Router Manufacturers

Adtec Digital, Inc.
Helius, Inc.
International Datacasting Corporation (IDC)
IPricot Broadband Solutions
Mainstream Data, Inc.
Novra Technologies, Inc.
SkyStream Networks
Wegener Communications

Section 5: Product Comparisons of BTV/IP Satellite Receivers

- 5.1 Overview
- 5.2 BTV/IP Media Gateways
 - 5.2.1 BTV/IP Media Gateway Product Overviews
 - 5.2.1.1 Adtec Edje-L
 - 5.2.1.2 Helius 2500-S
 - 5.2.1.3 Helius 1500-S
 - 5.2.1.4 International Datacasting SFX2100
 - 5.2.1.5 Novra SSP-100
 - 5.2.1.6 SkyStream EVR-7000
 - 5.2.1.7 Wegener iPump
 - 5.2.2 BTV/IP Media Gateway Product Comparisons
 - 5.2.2.1 Audio/Video Interfaces for BTV/IP Media Gateways
 - 5.2.2.2 Television Standards
 - 5.2.2.3 Storage
 - 5.2.2.4 Computer Interfaces
 - 5.2.2.5 Control & Functionality
 - 5.2.2.6 Operating Platform
 - 5.2.2.7 TCP/IP Support
 - 5.2.2.8 Security
 - 5.2.2.9 Receiver Specifications
- 5.3 IP Satellite Routers
 - 5.3.1 IP Satellite Router Product Overviews
 - 5.3.1.1 International Datacasting SRA2100
 - 5.3.1.2 IPricot S1100
 - 5.3.1.3 IPricot S1000
 - 5.3.1.4 SkyStream EMR-5500
 - 5.3.2 IP Satellite Router Product Comparisons
 - 5.3.2.1 Computer Interfaces
 - 5.3.2.2 Control & Functionality
 - 5.3.2.3 Operating Platform
 - 5.3.2.4 TCP/IP Support
 - 5.3.2.5 Security
 - 5.3.2.6 Receiver Specifications
- 5.4 IP Satellite Receivers
 - 5.4.1 IP Satellite Receiver Product Overviews
 - 5.4.1.1 International Datacasting SR2000plus
 - 5.4.1.2 IPricot SC
 - 5.4.1.3 IPricot S500
 - 5.4.1.4 Mainstream Data DVB+
 - 5.4.1.5 Novra S75
 - 5.4.1.6 SkyStream EMR 1600
 - 5.4.2 IP Satellite Router Product Comparisons
 - 5.4.2.1 Computer Interfaces
 - 5.4.2.2 Control & Functionality
 - 5.4.2.3 Operating Platform
 - 5.4.2.4 TCP/IP Support
 - 5.4.2.5 Security
 - 5.4.2.6 Receiver Specifications

Appendix A Evolution of Business Television
Appendix B Glossary of Terms
CD-ROM Manufacturer Product Information

List of Figures

- Figure #1 BTV/IP Applications and Display Opportunities
- Figure #2 Traditional BTV Network Architecture
- Figure #3 BTV/IP Network Head End Architecture
- Figure #4 BTV/IP Media Gateway Block Diagram
- Figure #5 Architecture for Displaying Two Live Programs Simultaneously
- Figure #6 Storage Option
- Figure #7 Screen Capture of File Transfer GUI
- Figure #8 Screen Capture of Stream Management GUI
- Figure #9 Screen Capture of Stream Select GUI
- Figure #10 Video-on-Demand at Remote Location
- Figure #11 Screen Capture of Program Selection
- Figure #12 Retail Network Architecture
- Figure #13 Traditional IDL Architecture Using BTV/IP Media Gateway
- Figure #14 Computer-Based IDL Architecture
- Figure #15 Satellite Overlay to Terrestrial WAN
- Figure #16 Hybrid Receiver Networks
- Figure #17 Screen Capture of Network Control System
- Figure #18 Screen Capture of Content Distribution
- Figure #19 Digital Satellite TV Standards Adoption
- Figure #20 Historical Perspective of Business Television Service Providers

List of Tables

Table #1	One Way Satellite Receivers included in this Guide
Table #2	Benefits of BTV/IP Technology
Table #3	BTV/IP Technology – Summary of Benefits
Table #4	Content Storage Hours
Table #5	BTV/IP Services by Receiver Type
Table #6	BTV/IP Media Gateways – Audio Visual Interfaces
Table #7	BTV/IP Media Gateways – Standards
Table #8	BTV/IP Media Gateways – Storage
Table #9	BTV/IP Media Gateways – Computer Interfaces
Table #10	BTV/IP Media Gateways – Control
Table #11	BTV/IP Media Gateways – Platform
Table #12	BTV/IP Media Gateways – TCP/IP
Table #13	BTV/IP Media Gateways – Security
Table #14	BTV/IP Media Gateways – Receiver Specifications
Table #15	BTV/IP Satellite Routers – Computer Interfaces
Table #16	IP Satellite Routers – Control
Table #17	IP Satellite Routers – Platform
Table #18	IP Satellite Routers – TCP/IP
Table #19	IP Satellite Routers – Security
Table #20	IP Satellite Routers – Receiver Specifications
Table #21	IP Satellite Receivers – Computer Interfaces
Table #22	IP Satellite Receivers – Control
Table #23	IP Satellite Receivers – Platform
Table #24	IP Satellite Receivers – TCP/IP
Table #25	IP Satellite Receivers – Security
Table #26	IP Satellite Receivers – Receiver Specifications
Table #27	TV-PC Convergence Terminology
Table #28	BTV/Ad Hoc Events – Webcasting

