



# Visium Set-Back Box

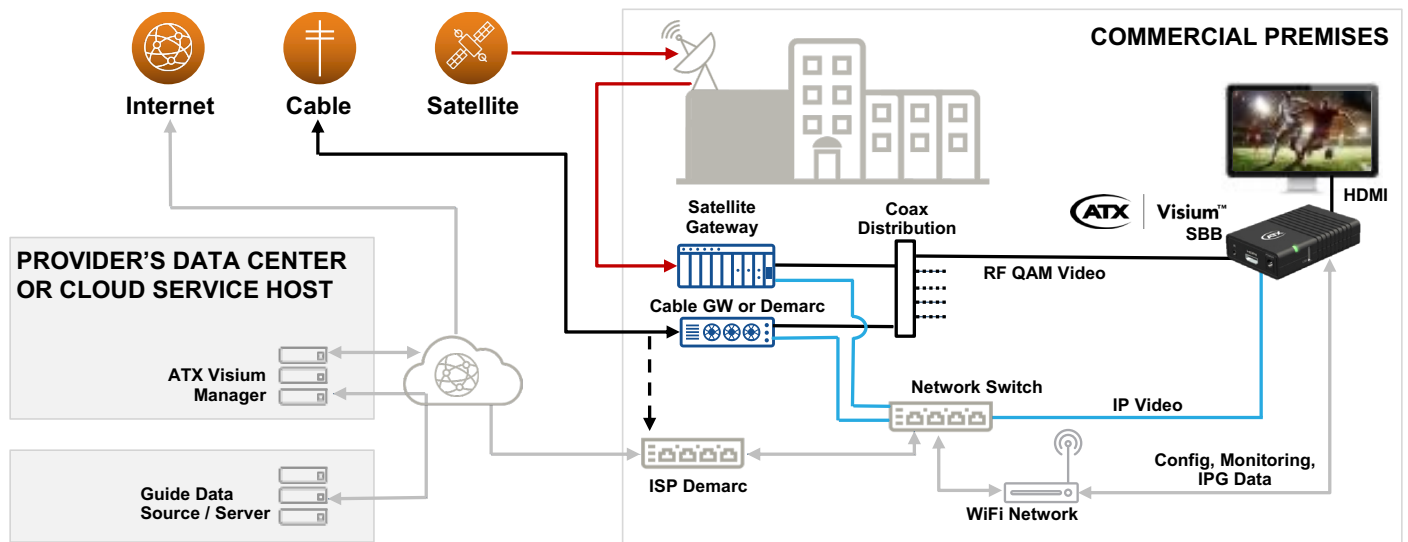
Visium Set-Back Box

(Front view)

ATX's Visium™ Set-Back Box is a low-cost security adapter designed to enable commercial video service providers to bring hospitality and other commercial customers into compliance with security requirements through the delivery of encrypted bulk video to properties lacking Pro:Idiom™-capable TVs. The ATX Visium SBB is an ideal solution for commercial accounts currently being served with clear QAM video. The set-back box solution allows MPEG4-based service delivery to properties with MPEG2-only capable TVs. The VSBB features an Integrated Program Guide (IPG) designed to improve hotel guests' experiences by significantly simplifying the navigation of lengthy channel line-ups. Self-configuration and centralized management and monitoring capabilities via ATX's Visium Manager cloud-based EMS simplify deployment and reduce operational complexity.

## Features

- Compact size and IR extender for easy out-of-sight mounting
- Pro:Idiom™ decryption capability
- QAM and IP video ingest
- HDMI output
- Intuitive, professional UI with customizable branding and Interactive Program Guide
- WiFi module for IPG updates, configuration and monitoring via Visium Manager (EMS)
- Programmable learning buttons for TV power and volume on remote control enable single remote operation
- Offline/Standalone operating mode option supports auto-scan for channel lineup and IPG population from in-band PSIP or DVB-SI guide data



Application Diagram

## Included in the box

- Visium Set-Back Box
- External power supply
- Remote control with learning buttons for TV control
- Batteries for remote control
- IR extender
- HDMI cable
- Mounting bracket with VESA pattern

## Specifications

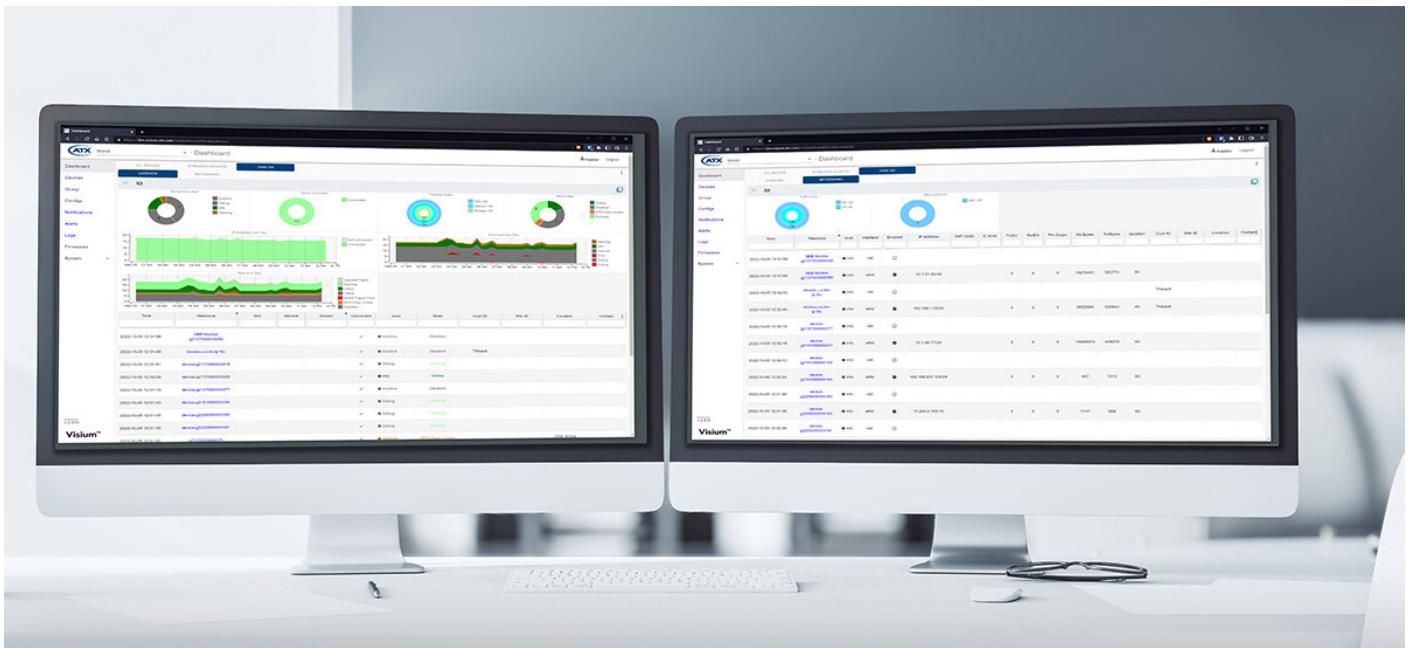
INPUT	
<b>QAM INPUT</b>	
CONNECTOR	F-Type Female (75Ω)
QAM MODES	J.83 Annex B, 64, 256 QAM
INPUT FREQUENCY	44 MHz – 1002 MHz, Supporting STD, IRC, HRC
RF INPUT LEVEL	-10 dBmV to +20 dBmV per digital carrier
<b>IP INPUT</b>	
CONNECTOR	RJ45
ETHERNET MODES	10/100 Mbps, IEEE 802.3-2002
PROTOCOLS	.TS based streams over UDP
<b>OUTPUT</b>	
<b>BASEBAND OUTPUT</b>	
CONNECTOR	HDMI
PROTOCOLS	HDMI v2.0 & HDCP v2.2
<b>OTHER INTERFACES</b>	
IR EXTENDER	3.5mm port for IR remote control
USB	USB 2.0 Type A port
WIFI	1x1 IEEE 802.11 b/g/n, 2.4GHz
LED	Multicolor for status indication
<b>CORE PROCESSING</b>	
PROCESSING	16,000 DMIPS ARM processor
MEMORY	512MB DDR3
<b>DECODING</b>	
<b>VIDEO</b>	
CODEC	MPEG-2 up to MP@HL, AVC H.264 up to MP@L4.1
RESOLUTION	up to 1080p60
<b>AUDIO</b>	
DOLBY	AC-3 decoding standard, E-AC3 (Dolby Digital+) on specific models
MPEG AUDIO	MPEG-1 Audio Layers 1, 2 & 3, MPEG-2 Audio Layer 2
SAMPLE RATE	32-192 KHz
SECONDARY AUDIO	Secondary audio track selection
<b>CLOSED CAPTIONS</b>	
CLOSED CAPTIONS	CEA 608 & 708
<b>CONDITIONAL ACCESS</b>	
PRO:IDIOM	Decryption support
AES 128	AES 128 decryption, ECB & CBC modes

## Specifications Continued

POWER	
<b>EXTERNAL ADAPTER</b>	
<b>EXTERNAL ADAPTER</b>	Input: AC100 ~ 240V, 50/60Hz, 0.3 Amps Output: DC 12V, 1.0 Amps
<b>SBB CONSUMPTION</b>	Operating typical – 12 Watts, Passive Stand-by – 0.5 Watts
PHYSICAL & ENVIRONMENTAL	
<b>UNIT DIMENSIONS</b>	70mm x 110mm x 22mm (2.7 x 4.3 x 0.9 inches)
<b>UNIT WEIGHT</b>	0.2 kg (0.4 lbs)
<b>TEMPERATURE</b>	Operating: 0°C to +45°C (+32°F to +113°F) Storage: 0°C to +70°C (+32°F to +158°F)
<b>HUMIDITY</b>	Operating: 20-80% RH, Non-condensing Storage: 10-90% RH, Non-condensing
REGULATORY	
<b>EMMISSIONS</b>	47 CFR FCC Part 15 Subpart B (Class B Limits) ICES-003 Issue 7 October 2020 IC RSS 247, issue 2
<b>ELECTRICAL</b>	Power Supply Adaptor c UL US listed

## Visium Manager EMS Server Features

- Operational deployment at scale
- Dashboard view with advanced individual and global status and health metrics for all devices
- Secure field-device connectivity over TLS+
- Bulk creation and push of configurations and firmware upgrades
- Monitoring and alerts for proactive resolution of issues
- Flexible grouping and subcategorizing of devices
- Multiple user account support
- ATX hosted or self-hosted deployment options



## Ordering Information

Part Number	Description
<b>Set-Back Boxes</b>	
<b>VSBB100</b>	Visium Set-Back Box, standard version
<b>Licenses and Plans</b>	
<b>VSBB-VMAP_OFFLN</b>	Visium Manager Plan (6yrs) + Offline Mode License
<b>VSBB-ANVMSUB</b>	Annual Visium Manager Subscription for VSBB
<b>Replacement Parts</b>	
<b>VSBB-PSU</b>	Visium Set-Back Box, power supply
<b>VSBB-IREXT</b>	Visium Set-Back Box, IR extender
<b>VSBB-RCU</b>	Visium Set-Back Box, remote control unit

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