



- Support H.264/AVC High Profile Level 3.0 Encoding
- Audio Coding adopts MPEG-1 Audio Layer 2
- 1-4 Channels A/V inputs; Support SDI inputs (Optional)
- Single ASI input supporting multiplexing
- Support resolution of 720x576\_50i ;720x480\_60i
- Support Multi-Programs output by ASI output and IP
- Compatible with UDP protocol, support both Unicast and Multicast
- Control LED display and Inspect setting parameters by button Operation
- Set and Alter parameters via NMS Software

## Input

1-4 channels A/V input, BNC interface  
(1-4 SDI input optional)  
Single ASI Input, BNC interface

## ASI Output

Dual ASI output BNC interface

## IP Output

MPTS IP output UDP Protocol  
Set and Alter parameters via NMS Software

## Bit Rate

Video Input : 0.5Mbps-20Mbps  
Audio Input : 64Kb/s~384Kb/s

## SD Resolution

720x576\_50i 720x480\_60i

## Encoding

H.264/AVC High Profile Level 3.0

## Sampling Rate

48KHz (Bit Depth:24 bit)

## Multiplexing

Multiplex 1 ASI input and 4 Channels  
Local Programs

## Power Supply

AC 110V~220V, 50/60Hz ≤25W

## Temperature

working : 0~45°C

## Dimensions

482mmx400mmx44.5mm  
(L x W x H)

## Weight

3.1kg



• Highlight high screen



• Power supply  
• Power switch(left)protective tube(middle) power socket(right)



• Control LED display and Inspect setting parameters by button operation



• 1-4 route ASI input(optical) BNC interface



• LED Indicator Accurate display of the working condition



• RJ-45 Support network management(NMS)



• Grounding rod



• All aluminium standard 19" case



- HD Resolution of 720P, 1080I, 1080P
- 1-4 Channels HDMI inputs. 1-4 SDI input optional
- Support H.264/AVC High Profile Level 4.0 Encoding
- Audio Coding adopts MPEG-1 Audio Layer 2
- Single ASI input supporting multiplexing
- Support Multi-Programs output by ASI output and IP
- Compatible with UDP protocol, support both Unicast and Multicast
- Control LED display and Inspect setting parameters by button Operation
- LCD/ KEY Operation, NMS, English Operation Interface Update software via Web

<b>Input</b>  <b>1-4 Channel HDMI</b> <b>Single ASI Input, BNC interface</b> <b>1-4 SDI input optional</b>	<b>ASI Output</b>  <b>Dual ASI output BNC interface</b>	<b>IP Output</b>  <b>MPTS IP output UDP Protocol</b> <b>Unicast and Multicast</b> <b>Set and Alter parameters via NMS Software</b>
<b>Bit Rate</b>  <b>Video Input : 0. 8Mbps-20Mbps</b> <b>Audio Input : 64Kb/s~384Kb/s</b>	<b>Resolution</b>  <b>1920×1080_60P 1920×1080_60i</b> <b>1920×1080_50P 1920×1080_50i</b> <b>1280×720_60P 1280×720_50Pi</b> <b>1280×720_60P 1280×720_50P</b>	<b>Encoding</b>  <b>H. 264/AVC High Profile Level 4.0 (HD)</b>
<b>Sampling Rate</b>  <b>48KHz (Bit Depth:24 bit)</b>	<b>Multiplexing</b>  <b>Multiplex 1 ASI input and 4 Channels</b> <b>Local Programs</b>	<b>Power Supply</b>  <b>AC 110V~220V, 50/60Hz ≤25W</b>
<b>Temperature</b>  <b>working : 0~45°C</b>	<b>Dimensions</b>  <b>482mmx400mmx44. 5mm</b> <b>(L x W x H)</b>	<b>Weight</b>  <b>3. 1kg</b>



• Highlight high screen



• Power supply  
• Power switch(left)protective tube(middle) power socket(right)



• Control LED display and Inspect setting parameters by button operation



• 1-4 route ASI input(optical) BNC interface



• LED Indicator Accurate display of the working condition



• RJ-45 Support network management(NMS)



• Grounding rod



• All aluminium standard 19' case



- Output same 2 routes MPTS
- Support 4:2:2:0 MP@ML encoding
- Hi-fi audio processing R/L channel, stereo input
- Four independent A/V input interface
- One ASI input interface with multiplexing function(optional)
- Auto-identification of input video standard  
Video inputting format: PAL/NTSC/Self-Adaption optional
- One route SDI input interface (optional).  
It can be switched between the 4th channel video input interface and SDI input interface by means of software.  
Anyone can be chosen as the video input interface of the 4th channel.
- Continuously adjustable output bit rates, flexible in use
- Provide various network management functions, available for local/ remote network control, setting and modifying parameters

<b>Input</b>	<b>ASI Output</b>	<b>IP Output</b>
<p>4 routes analog composite video (CVBS),BNC interface</p>	<p>Dual ASI output BNC interface</p>	<p>1route IP output port, RJ45 interface (optional) Set and Alter parameters via NMS Software</p>
<b>Bit Rate</b>	<b>MPEG-2</b>	<b>Video Encoding</b>
<p>One ASI TS bite rate input interface (optioanl)</p>	<p>MPEG-2 Encoding adopts 4:2:0MP@ML MPEG-2 Field Based(FB)</p>	<p>Correspond with ISO 11172(MPEG-1) and ISO13818(MPEG-2) MPEG-2 encoding: 4: 2: 0 MP@ML Code rate control: CBR/VBR</p>
<b>Audio Encoding</b>	<b>Compressed encoding output interface</b>	<b>Resolution</b>
<p>MPEG-1 Audio Layer 2 standard CD quality</p>	<p>4routes encoding code stream and 1 route ASI input code stream after multiplexing,BNC interface</p>	<p>Correspond with CCIR601 Standard PAL: 720*576 NTSC: 720*480</p>
<b>Frequency</b>	<b>Code Rate</b>	<b>Power Supply</b>
<p>1route stereo and double audio frequency:48KHz Audio Frequency:128, 256, 384kbps</p>	<p>Continuous and adjustable 1.0-15Mbps Format: DVB standard TS Stream</p>	<p>AC 110V~220V, 50/60Hz ≤25W</p>
<b>Temperature</b>	<b>Dimensions</b>	<b>Weight</b>
<p>working : 0~45℃</p>	<p>482mmx400mmx44. 5mm (L x W x H)</p>	<p>3. 1kg</p>



• Highlight high screen



• Power supply  
• Power switch(left)protective tube(middle) power socket(right)



• Control LED display and Inspect setting parameters by button operation



• 1-4 route ASI input(optical) BNC interface



• LED Indicator Accurate display of the working condition



• RJ-45 Support network management(NMS)



• Grounding rod



• All aluminium standard 19' case





- Dual DVB-T and DVB-T2 modulation
- ASI and IP stream input ports
- System A and System B (T2-MI) stream input
- MFN and SFN operations
- Multi-PLP layered modulation
- SISO/MISO transmission
- Extremely high modulation performance
- Very stable and low noise oscillator (OCXO)
- Level output range from -0 dBm to -100 dBm
- Frequency output range from 30 MHz up to 900 MHz
- Multi-PLP

## Standards

EN 302 755, TS 102 831,  
TS 102 773 (T2-MI)

## ASI Stream Interfaces

Input connectors-BNC 75Ω  
Output connector-BNC 75Ω

## Bandwidth

5 MHz, 6 MHz, 7 MHz and 8 MHz

## Gigabit streaming inputs

2 x 10/100/1000 base-T - Rj45  
Protocols: IP, RTP, UDP, IGMP  
(V2 & V3)

## RF Inputs and Outputs

30 MHz up to 900 MHz

## Clock

High quality internal clock  
10 MHz & 1 PPS input/output

## Synchronization

NTP synchronization

## Transmission modes

MFN, SFN-SISO, SFN-MISO

## Power Supply

90 -240VAC - 50 Hz - 40W



• Power supply



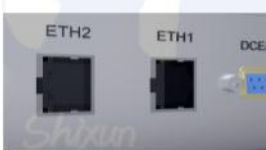
• Input/Output



• Power light



• ASI Streams  
input and Output interface



• ETH1/ETH2 interface



• Feedback Inputs



• GPS input  
• DCE/TOD interface



• RF Output interface



- ▶ Meet EN300744, support 6MHz/7MHz/8MHz bandwidth
- ▶ MFN
- ▶ High Level output

-  **Meet EN300744, support 6MHz/7MHz/8MHz bandwidth**
-  **error correction coding meet DVB-T Standard**
-  **work in QPSK、16QAM、64QAM**
-  **Support 2K/8K carrier wave working methods**
-  **FEC encoding support 1/2、2/3、3/4、5/6 and 7/8**
-  **Protection time interval support 1/4、1/8、1/16、1/32;**
-  **188/204 package length adaptive, and display input data format in real time**
-  **Adopt high capability buffer, ASI interface supports burst and equality TS, while re-construct equality TS.**
-  **Advance output TS efficiency**
-  **Support all PSI/SI data abstraction, modification and analysis**
-  **Capable of swiSVhing/inserting SI data**
-  **Performs multiple PCR correction simultaneously**
-  **Self-adjust filter circuit design in order guarantees superb SNR (out of band)**
-  **-20dB RF test output is available**
-  **With RJ45, actualize central NMS, distant upgrade/maintenance (NMS software is optional)**



• Highlight high screen



• Power supply  
• Power switch(left)protective tube(middle) power socket(right)



• Control LED display and inspect setting parameters by button operation



• 1-4 route ASI input(optical) BNC interface



• LED Indicator Accurate display of the working condition



• RJ-45 Support network management (NMS)



• Grounding rod



• All aluminium standard 19" case