

Outdoor Satellite TV Optical Transmitter

GLB3500UT satellite TV optical transmitter is designed for outdoor installation next to Satellite dish. It has two or four satellite signal input ports and one fiber optic output port, converting multiple 950~2150MHz signals from LNB to one single fiber optic output interface. Employing a built-in temperature compensation module and a high-performance laser chip, GLB3500UT can operate stably in ambient temperatures down to -40°C. Equipped with an IP67 waterproof housing, GLB3500UT can be remotely powered by 19V DC over coaxial cable at 50-meter distance.



Features:

- Aluminum Die-cast IP 67 housing
- Up to 4 satellite RF input ports
- One Terrestrial TV input optional
- Reverse 13V or 18V DC at each Sat Input port
- 6KV Surge Protection at each RF port
- 19V DC at independent RF port
- One fiber output port
- High performance CWDM lasers and GaAs chips
- Working at -40C temperature

**Specifications:**

| Item | Parameters |
|-----------------------------------|------------------------------------|
| RF Input Ports | 2 or 4 or 5, 75Ohm F Female |
| Satellite RF bandwidth | 950~2150MHz (300~2350MHz optional) |
| Reverse DC to LNB | 250mA@13V or 18V |
| Satellite RF Input Level | 65dB μ V~85dB μ V |
| Satellite RF Equalization | 6dB |
| Return Loss | 10dB |
| Terrestrial TV RF bandwidth | 174~862MHz |
| Terrestrial TV RF Level | 65dB μ V~80dB μ V |
| Surge Protection at RF port | 6KV |
| Fiber Interface | SC/APC, SM Fiber |
| Laser Wavelength | 1550nm (CWDM wavelength) |
| Laser output at each wavelength | >+5 dBm |
| Satellite Transponder Degradation | <3dB after fiber transmission |
| Power Supply | 19V 3A at F port |
| Power Consumption | < 18W |
| Dimension | 228×202×66(mm) |
| Weight | 3.1Kg |
| Working Temperature | -40~+50°C |
| Storage Temperature | -40~+85°C |
| Humidity | 5~95 % (non-condensing) |

Ordering Information:**GLB3500UT-XY Outdoor Satellite TV optical transmitter**

X (RF Input Port Number): 2_2 Satellite Inputs

4_4 Satellite Inputs

5_4 Satellite Inputs and 1 Terr TV Input

Y (Satellite RF Bandwidth): none_950MHz~2150MHz (default)

3_300MHz~2350MHz (wideband LNB)