



UNIVERSAL **H**ARDWARE **P**LATFORM

MEDIA NETWORK

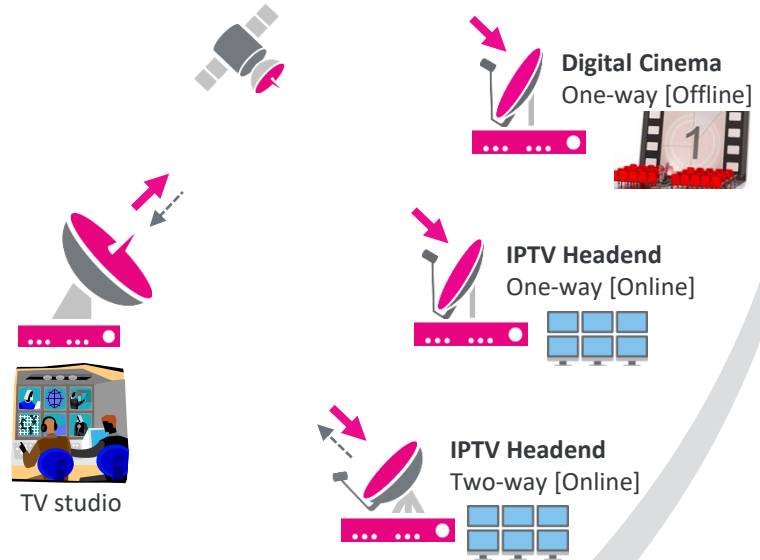
WHY USE UHP FOR MEDIA NETWORKS?

- **One-for-all** technology: Software-Definable Satellite Router
- Universal network for content **contribution and distribution**
- High-speed **DVB-S2X broadcasting** up to 225 Mbps
- Powerful **IP router** with Gigabit Ethernet ports
- Dynamic **bandwidth allocation** for DSNG transmissions
- Integrated **Scheduler Application** to manage OU traffic
- **Mesh** capability: eliminate double bandwidth allocation
- **QoS**, support for **VoIP** with cRTP header compression, Video over TDMA with controlled jitter, TCP **acceleration**
- **Ultra-low latency** VSAT system with round-trip delay about 570 ms for TDMA
- Support of **OpenAMIP** and other proprietary protocols to interface with mobile antennas
- Support for multi-spot **High-Throughput Satellites** and different frequency bands
- Best network availability: **Local-/Geo- Redundant** Teleports with Fast switchover



IP BROADCAST AND CONTENT DELIVERY

- Live, on-demand or offline content broadcasting for IPTV headend stations
- Secure and reliable content delivery to digital cinema theaters
- Data throughput starting from 200 kbps and up to 225 Mbps per channel
- Bandwidth-efficient DVB-S2X modulations
- Delivery via AES-256 encrypted channels
- Rx-only receivers or two-way terminals for interactive applications with dual demodulators



SATELLITE NEWS GATHERING

- High-speed video streaming and two-way voice/data from hard-to-access locations
- Dynamic satellite bandwidth allocation for SD, HD or Ultra-HD transmissions
- Shared 27 Mbps MF-TDMA or dedicated 225 Mbps SCPC carriers on demand with optional encryption
- Automated booking and bandwidth allocation system based on UHP Scheduler application
- Support of OpenAMIP and other proprietary protocols to interface with mobile antennas

