



Lumistar LS-28 Options Checklist

1. Number of Channels (Select ONE)¹

- ☐ DRSM (Dual Channel) ☐ SRSM (Single Channel)

2. Demodulation Formats (Select ALL that apply)

- | | | | |
|----------------------------------|------------------------------------|--------------------------------|--|
| ☐ SS-PCMF | ☐ MS-PCM/FM | ☐ GMSK | ☐ MHCPM |
| ☐ BPSK | ☐ QPSK | ☐ OQPSK | ☐ SOQPSK-TG / MIL |
| ☐ A/UQPSK | ☐ PCM/PM | | |

3. RF Bands / MHz (Select up to 5)

- | | | |
|--|--|---|
| ☐ C2E / 5091-5250 | ☐ C2 / 5091-5150 | ☐ C1 / 4400-4940 |
| ☐ E / 2185-2485 | ☐ S / 2200-2395 | ☐ U / 1755-1850 |
| ☐ L / 1435-1535 | ☐ CIF / 400-1150 | ☐ P / 215-320 |
| ☐ CIfE / 300-1150 | ☐ Custom ² | |

4. Chassis Formats (Select ONE)

- | | |
|--|---|
| ☐ Modular (User provided cooling) | ☐ Modular w/ Desktop Chassis |
| ☐ 1U Rack Mount 12" deep (-R1) | ☐ Portable Lunchbox |
| ☐ Portable Lunchbox w/ Battery | ☐ Portable Lunchbox w/ Cooling |
| ☐ 1U Rack Mount 22" deep (-R1P, Includes Processor) | |

5. Additional Options (Select ALL that apply)

- | | |
|--|---|
| ☐ Dual Analog PCM Bit Sync Inputs | ☒ 70 MHz Modulator |
| ☐ 50–90 MHz Receiver Inputs | ☒ PCM Decom / PCM Simulator |
| ☐ Expanded Digital Symbol Rate | ☒ PreD Diversity Combiner (Dual Ch Only) |
| ☐ IRIG Time Reader / Generator | ☐ PTP Time Reader |
| ☒ Advanced Networking | ☒ Video Outputs |
| ☐ NTSC / PAL Video Outputs | |

6. Recording Options (Select ALL that apply)

- ☐ 64 GB Data Recording
☒ **Allow Saving Setups Internally**

7. TMOIP Software Options (Select ALL that apply)

- | | |
|--|------------------------------------|
| ☐ CH10-19 Streaming / Recording | ☐ RCC218-10 |
| ☐ RCC218-20 Streaming | |

8. FEC Options (Select ALL that apply)

- | | |
|--|--|
| ☐ Single LDPC Decoder | ☐ Dual LDPC Decoder |
| ☐ Viterbi Decoding | ☐ Reed / Solomon |

9. Advanced Options (Select ALL that apply)

- | | |
|--|------------------------------|
| ☒ DQM | ☐ DQE |
| ☐ IRIG PreD Tape Up / Downconverter | ☐ STC |

Standard Included Options – Bold/Italic

For further options and custom builds please contact sales@lumistar.net

¹ Additional Quantity of Channel available in larger form factors, contact sales for details

² Custom frequency bands available from 300Mhz to 6KMHZ contact sales for details

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Rev. -

Specifications subject to change, consult factory at time of order for latest specifications

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