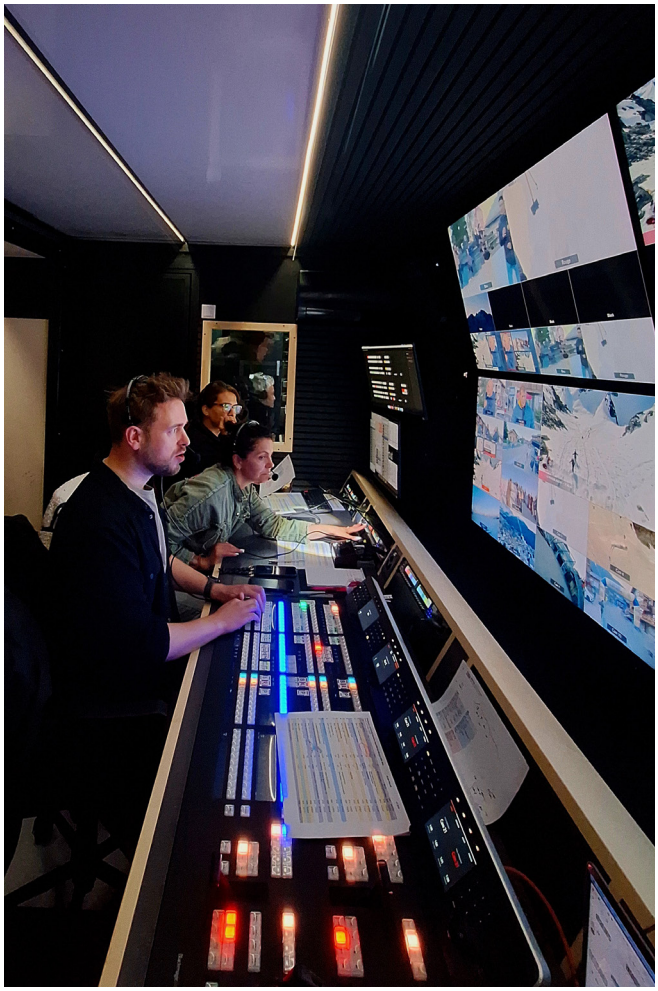
broadcast family

Technical sheet
UHD unit

The OB truck operated by **Broadcast Family** was designed to provide a working environment that meets the standards of national and international productions, including those deployed by Radio Télévision Suisse and other major broadcast players.

Conceived from the outset as a high-end production tool, it fulfills the technical, operational, and human requirements of a constantly evolving industry. Broadcast Family deliberately chose a system that is robust, **flexible, and scalable, capable of adapting** to the specific needs of each production.

Its technical architecture is based on a modular approach, enabling a wide range of configurations. While traditional systems often tend toward specialization, our OB truck is **designed to adapt and specialize on demand**, according to editorial and technical constraints.



This flexibility is made possible through :

→ a system designed by experienced field professionals

→ more than 20 years of expertise in OB truck and broadcast system operations

→ a network of specialized technical expertise capable of supporting and adapting to any production configuration

The truck currently supports :

→ 12 cameras with dedicated CCUs
→ 7 production and directing workstations
→ 3 vision engineering positions
→ 1 OB engineer position
→ 2 dedicated audio positions
→ wireless intercom system
→ 16 multi-format recorders
→ 4 M/E production switcher
→ 7 configurable multiview outputs
→ 2 replay / slow-motion operator positions
→ 2 slow-motion cameras (200 fps)
→ UHD production capability

The entire system was designed in-house by our teams, with particular attention paid to ergonomics, reliability, and operational efficiency in the field.

AUDIO EQUIPMENT

- → Yamaha DM7 mixing console with DM7 Control extension
  30 faders
- → Yamaha Rio stage rack | 16 inputs / 8 outputs
  mobile configuration
- → RTS intercom system
  one unit per position
- → RTS wireless intercom beltpacks
  four keys per device
- → Unity server (intercom over public 4G/5G)
  with tally option and user extension
  deployable on all smartphone types
- → Smartphones dedicated to Unity
  15 units
- → Multitrack recording system

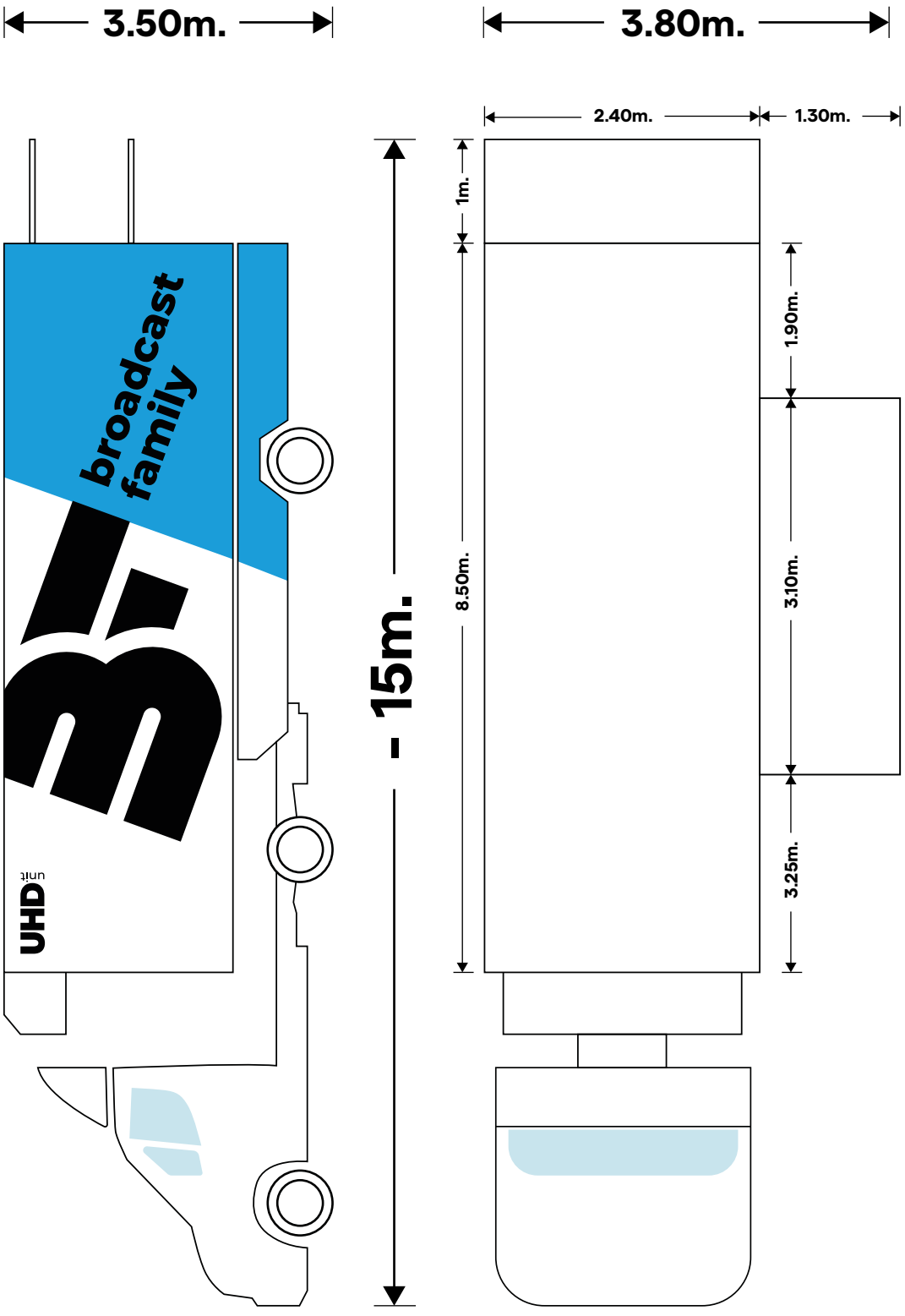
TECHNICAL INFRASTRUCTURE

- → ATEM Constellation 4 M/E 4K production switcher
- → Blackmagic Control Panel | 40 buttons | 2 M/E
- → Ereca Stage Racer broadcast transport system
  signal distribution, re-muxing, embedding/de-embedding,
  fiber audio/video transport, etc.
- → Rimotion by Riedel replay server
  12-channel server with two remote control panels
- → Softron Movie Recorder on Mac Studio M4
  minimum 16 simultaneous Full HD streams
- → Blackmagic HyperDeck recorder
  fully independent recording signal paths
  for enhanced redundancy and security
- → Leader LV5770A signal analyzer
- → SMPTE fiber infrastructure in various
  lengths from 150 m to 300
- → Rear tailboard panel including fiber, audio,
  video, and network connectivity
- → Full IT infrastructure operated through KVM systems
  enabling flexible workstation allocation

VIDEO EQUIPMENT

- → Sony HDC-3500 camera | ⅔″ 4K CMOS sensor
  LEMO connector
- → Sony HDCU-3500 Camera Control Unit
- → Sony RCP-3500 remote control panel
- → Canon HJ14×4.3B IASE ⅔″ lens
  96.3° wide angle
- → Fujinon HA18×7.6 BERD-S6 lens
  with extender
- → Canon CJ24ex7.5B IASE S lens
  4K lens
- → Fujinon UA107×8.4BESM lens
  4K long-range lens
- → Canon DP-V1830 monitor
  18″ 4K UHD
- → Ikegami HLM-1860WR monitor
  18″
- → Vinten Vision 250 tripod
  max payload 33 kg
- → Sachtler S20 S1 tripod
  max payload 28 kg
- → Vinten Vector 700 tripod
  max payload 70 kg

DIMENSION


3.50m.
3.80m.
2.40m.
1.30m.
1m.
8.50m.
1.90m.
3.10m.
3.25m.
- 15m.
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UHD unit

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Case Study

Patrouille des Glaciers 2026

ARRIVAL

TV SET

The «Patrouille des Glaciers» is an international ski mountaineering race organized every two years by the Swiss Army, open to teams of three made up of either military personnel or civilians: the patrols.

Most of the cameras and crews were positioned along the course, high in the mountains. As a result, a significant part of the race coverage had to be carried out using skiers, cyclists, and drones.

In addition to the challenging terrain and the large number of people involved in this production, it was essential to maintain a broadcast-level standard of service.

Communication was key to meeting the high editorial standards required for the event.

MOUNTAIN DEVICE

Rosablanche | 3336m. / km 42

Col de Momin | 3015m. / km 44

Lac du Petit Mont Fort

Col de la Chaux | 2940m. / km 46

Les Ruinettes | 2189m. / km 52

Médran | 1521m. / km 54.5

Verbier | 1472m. / km 55.5

Broadcasters

National broadcasters

RTS blue Sport

Regional broadcasters

9 LA TÉLÉ