Live video from the space station – directly to UNOSAT@CERN

CERN IT Lightning Talks: session #1 4 April 2014

[Images of various scenes related to space and earth]
High Resolution Camera (HRC)

Bi-Axial Pointing Platform (BPP)

Medium-Resolution Camera (MRC)

Image courtesy of UrtheCast
MoU with UrteCast since 2012 – live video from ISS

- 1 m very high resolution HD video in near real time from ISS
- 6 m medium resolution push-broom sensor
- If an image is worth a thousand words – then what is a live video from the space station worth?
MoU with UrteCast since 2012 – live video from ISS

- High repeat frequency
- Fast access, quick peeks
- Oblique angle
- Multiple stereo-imagery for detailed 3D generation
- From emergency response, to development and disaster risk reduction
http://www.urthecast.com/firstlight
3 Frames/sec x 80 sec
→ 240 Frames
→ 120 Stereo Pairs

Image courtesy of UrtheCast
(1) **A dynamic version of GoogleEarth** with base map frequently updated and refreshed

(2) **YouTube like search functionality** ability to search videos by location, category, subject matter, etc.

(3) **Real-Time social layer** integrated with social media platforms such as Facebook and Twitter