

European Athletics Championship 2018 Berlin - Test sequences

The EBU provides the following test sequences, produced at the European Athletics Championships 2018 in Berlin (Germany).

All sequences are provided on a USB-3 compatible SSD drive.

- **Uncompressed sequences**

Format	2160p/100 BT.2100 (HLG), DPX
Sampling	YCbCr 4:2:2 10-bit
Signal range	narrow range
Audio	none

Title	Duration (seconds)
Long_Jump_Women_1_180SHUTTER	10.00
Long_Jump_Women_2	10.00
Discus_Women	10.00
200m_Hepta_Women_H4	27.00
200m_Hepta_Women_H2*	30.00
Javelin_Men	15.00
3000m_SC_Men*	31.30
100m_Women_H	15.00
400m_Women_SF1	20.00
400m_Women_SF2*	10.00

*Note: all sequences are provided as separate odd/even files; only the 100m_Women_H sequence is provided as a single 2160p/100 sequence. An * next to the name indicates the sequence starts with the even frame; absence of the Asterix indicates the sequence starts with the odd frame.*

- **Compressed sequences**

Format	2160p/100 BT.2100 (HLG), MXF
Sampling	YCbCr 4:2:2 10-bit
Compression	XAVC Class 480 (2x ~800 Mbps)
Audio	none

Note: all sequences are provided as 2 x 2160p/50

Title	Duration	Description
400m_Hurdles_Men_F	00:00:07:00	Complete multi-camera coverage of the 400m Hurdles men final. Includes various types of shots (wide pans, soft zooms, close on the winner).
100m_Hurdles_women_SF2	00:00:10:00	Two shot complete coverage. Start (close, side view) + main coverage from an elevated angle (side view).
3000m_SC_Men_F	00:00:25:00	Front shot of group of runners.
200m_Heptathlon_Women_H1	00:00:20:00	Complete 3-shot multi-camera coverage.
Javelin_Man_With_Spear	00:00:14:49	Single shot coverage of one throw (rapid camera pan, following spear).
Stadium_Inside_At_Night	00:00:13:00	The inside of the stadium at night with various light conditions combined in one wide shot: lit green field, dark audience and bright signage.
Hurdles_Men_Sideshot_1	00:00:05:00	Side view of group of men jumping over hurdles.
Hurdles_Men_Sideshot_2	00:00:07:00	Side view of group of men jumping over hurdles.
In_Stadium_Early_Night_Static	00:00:10:00	Static shot from inside the stadium, includes part of blue track and clouds in the sky. End of the day.
In_Stadium_Early_Night_Slow_Pan_Zoom	00:00:25:00	Single wide shot (slow zoom out and pan) from inside the stadium showing cloudy sky and artificial lighting and signage.
In_Stadium_Tilt_Down	00:00:20:00	Single wide shot (slow tilt down) from inside the stadium showing blue sky with partial clouds and artificial lighting and signage.
100m_Men_F	00:00:14:49	Two shots last part of the race. Shot at night.
Javelin_Germany	00:00:13:00	Single shot (zoom and pan) following spear, at night.
Discus_Women_Sweden	00:00:10:00	Single shot (pan & zoom out) following the complete action. Challenging difference in shadow-rich start and sunny end.
100m_Heptathlon_Women_H1	00:00:20:00	Single (wide, elevated) shot panning with the runners. Challenging combination of track in the shadows and a very sunny surrounding field.
Discus_Women_Canada	00:00:10:00	Single shot (pan & zoom out) following the complete action. Challenging difference in shadow-rich start and sunny end.
Long_Jump_Women_3_180SHUTTER	00:00:12:00	Single shot (side-view, panning) following a complete jump. 180 DEGREES SHUTTER
Long_Jump_Women_4	00:00:12:00	Single shot (side-view, panning) following a complete jump.
Sweet_Sweed	00:00:10:00	Happy Swedish sporter makes a joking gesture on camera before meeting his team mate.

- **Production**

Cameras & Lenses	Sony HDC 4300 with Canon lenses
Production format	2x 2160p/50, 10-bit, BT.2100/HLG
Shading/grading	Live shading on-site, no further grading
Shutter	Open shutter (360°), except for Long_Jump_Women_1_180SHUTTER and Long_Jump_Women_3_180SHUTTER
Recording	Rohde & Schwarz Clipster (uncompressed) Sony PWS-4500 (XAVC Class 480)
Post-production	Uncompressed: none XAVC: Adobe Premiere cut with smart rendering, to prevent reencoding

- **Price**

The use of “European Athletics Championship – Berlin (August 2018)” is subject to the payment of the following administration & handling fee (includes SSD drive and shipment):

EBU members	300 €
Non EBU members	3800 €
Non-profit & university	1900 €

Note: partners who participated in the trial should contact their EBU contact to obtain the sequences.

- **Ordering**

You can order the sequences online here:

<https://www.regonline.co.uk/eac2018-Berlin-test-sequences>

For more information on EBU Test Sequences, see:

<https://tech.ebu.ch/testsequences/>

For any additional questions/help, please contact:

Elisabeth Ecoffey; ecoffey@ebu.ch

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