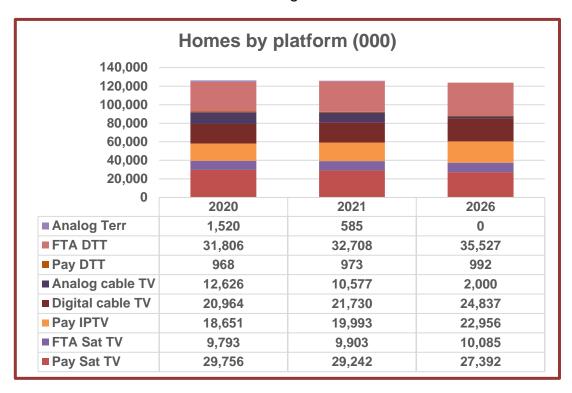
Eastern Europe to add six million digital pay TV subs

Eastern Europe will lose nearly 5 million pay TV subscribers between 2020 and 2026 to take the total to 78.18 million. Not great - but not as bad as the US.



Simon Murray, Principal Analyst at Digital TV Research, said: "Most of the remaining analog cable TV subscribers are paying very little to receive very little. These homes are reluctant or unable to upgrade to more expensive digital pay TV."

There were still 12.6 million analog cable subscribers by end-2020.

The number of digital pay TV subscribers will increase by nearly 6 million between 2020 and 2026 to 76 million.

Pay TV will be taken by 63% of the region's TV homes in 2026; down from 66% in 2020. Digital pay TV penetration will climb from 56% to 62% over the same period.



Eastern Europe Pay TV Forecasts

Table of Contents

Published in April 2021, this 202-page PDF, PowerPoint and excel report comes in three parts:

- Insight: Detailed country-by-country analysis in a 76-page PDF document.
- Outlook: Forecasts for 22 countries in a 47-page PowerPoint document full of charts, graphs and bullet points;
- Excel workbook covering each year from 2010 to 2026 for 22 countries by household penetration, by pay TV subscribers, by pay TV revenues and by major operator. As well as summary tables by country and by platform;

For more information, <u>please click here</u> or contact lydia@digitaltvresearch.com

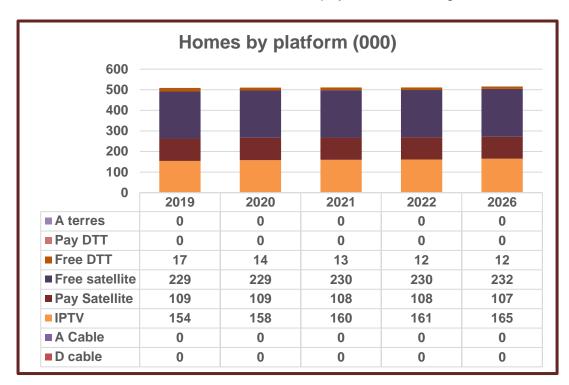
Forecasts for the following 22 countries and 84 operators:

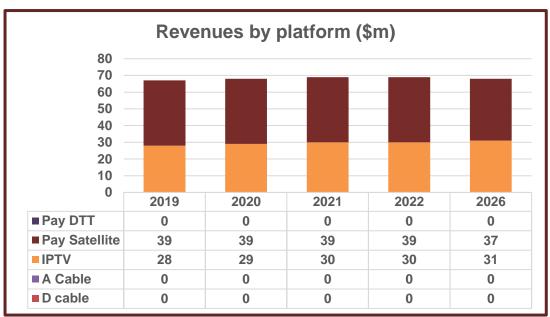
Country	No of ops	Operators
Albania	3	Digitalb; Tring; Albtelecom
Belarus	3	MTIS, Zala, A1
Bosnia	3	Telemach, M:Tel; Total TV
Bulgaria	3	Bulsatcom, Vivacom, A1
Croatia	3	Max TV/T-HT, Evo, A1
Cyprus	3	Cytavision; Cablenet; Primetel
Czech Rep	5	Vodafone, O2, Telly, Skylink; T-Mobile
Estonia	3	Elisa; Telia; Home 3
Greece	3	Nova, Cosmote; Vodafone
Hungary	6	T-Home, Digi TV, Vodafone, Invitel, MinDig, Direct One
Latvia	3	Baltcom, Tet; Home 3
Lithuania	3	TEO, Cgates, Home 3
Macedonia	3	A1; Max TV; Total TV
Moldova	2	Sun; Moldtelecom
Montenegro	2	Total TV; CT
Poland	8	UPC, Vectra, Inea, Toya, TP/Orange, Cyfra Polsat, Canal Plus, Netia
Romania	5	RCS-RDS, Vodafone, Telekom Romania, Orange TV, Focussat
Russia	8	Akado, ER Telecom, MTS, Rostelecom, Beeline/Veon, NTV Plus, Tricolor, Orion
Serbia	2	SBB, Telekom Srbija
Slovakia	4	UPC, Skylink, Slovak Telekom; Orange TV
Slovenia	5	Telemach, Neo TV, Total TV, T-2, A1
Ukraine	4	Volia; Triolan; Ukrtelecom; Viasat



SAMPLE: Qatar pay TV insight

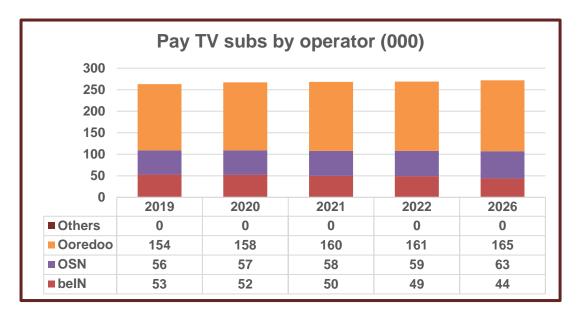
Digital TV penetration reached 100% in 2015. About two-thirds of the 510,000 TV households receive either free-to-air or pay satellite TV signals.





Main assumptions behind the forecasts About 45% of homes receive FTA satellite TV signals and 21% pay to receive satellite TV signals. IPTV penetration is also high – at 30.9% by end-2020. Few homes rely on DTT signals. Source: Digital TV Research





 Pay TV penetration will remain at 52% of TV households. Pay TV revenues will reach \$68 million in 2026.

Main operators by subscribers (000)									
Operator	Pay TV subs	Fixed bb subs	Mobile subs	SVOD platforms					
belN	52	-	-	beIN Connect					
Ooredoo	158		2,970	StarzPlay; OSN; belN					
OSN	57	-	-	OSN					
Vodafone	-	5	1,678	-					
Source: Digital TV Research									

- The ongoing dispute between Saudi Arabia and Qatar hit beln's subscriber numbers across the region. beln is reliant on subscriptions outside Qatar to thrive. Most governments have followed the Saudi ban on beln – although not all of them have enforced the ban that effectively. The ban started in mid-2017
- With 52,000 subs in Qatar by end-2020, belN provides up to 67 channels. We forecast that belN will have 44,000 subscribers by 2026 falling as fewer sports rights are expected.
- We estimate 57,000 OSN subscribers by end-2020, with 63,000 by 2026. After
 a cost cutting drive and in preparation for an IPO in 2021, OSN is placing more
 emphasis on its SVOD platform. OSN has exclusive deals with seven
 Hollywood studios, but wants to increase Arabic content to at least a quarter of
 the total.
- The Ooredoo TV IPTV platform (up to 190 channels, including bundles from beIN, MBC and OSN) is offered as part of a triple-play package (up to 1Gbps).
 We estimated 158,000 subscribers at end-2020; climbing to 165,000 by 2026.
 In October 2015, Ooredoo has distribution deals with SVOD platforms OSN and StarzPlay (QAR30/month, 8,000 hours).



- Ooredoo is investing QAR1 billion on an extensive fiber network (up to 100Mbps). Ooredoo is responsible for constructing the government-owned National Broadband Network (QNBN). Ooredoo had 2.97 million mobile subscribers by September 2020.
- Vodafone won the license for the second fixed line service in April 2010.
 Vodafone sold its stake to a local consortium in late 2018. Vodafone started its
 Giga TV OTT platform in late 2019. Vodafone had 5,000 fixed broadband and
 1.68 million mobile subscribers by September 2020.
- State-owned Qatar Media Corporation, owner of Al Jazeera and FTA channel Qatar TV, had upgraded the terrestrial network to DVB-T2 by December 2013. Full conversion took place in 2014.



		Qa	tar	pa	ay :	TV	for	ec	ast	S							
	2010	2011	20	20	20	20	20	20	20	20	20	2021	20	2023	2024	2025	20
	6	7	12	13	4	15	2016	17	2018	2019	2020	21	22	23	24	25	2026
Total households (000)																	
TV households (000)																	
Digital cable subs (000)																	
Analog cable subs (000)																	
Pay IPTV subscribers (000)																	
Pay Satellite TV subs (000)																	
Free-to-air Satellite TV HH (000)																	
Analog terrestrial hholds (000)																	
Primary FTA DTT hholds (000)																	
Primary Pay DTT hholds (000)																	
Digital homes (000)																	
Analog homes (000)																	
Pay TV subscribers (000)																	
Divided and a sub-PTV IIII																	
Digital cable subs/TV HH																	
Analog cable subs/TV HH																	
Pay IPTV subs/TV HH																	
Pay Satellite TV/TV HH																	
Free-to-air Satellite TV/TV HH																	
Analog terrestrial/TVHH																	
Primary FTA DTT/TV HH																	
Primary pay DTT/TV HH																	
TVHH/Total HH																	
Digital/TV HH																	
Analog/TV HH																	
Pay TV Subs/TV HH																	
Standalone dig cable subs (000)																	
Dual-play digl cable subs (000)																	
Triple-play dig cable subs (000)																	
Stand-alone pay IPTV subs (000)																	
Dual-play pay IPTV subs (000)																	
Triple-play pay IPTV subs (000)																	
Revenues (US\$ million)																	
Stand-alone digital cable revs																	
Dual-play digital cable TV revs																	
Triple-play digital cable TV revs																	
Digital cable TV subs revenues																	
Digital cable TV on-demand revs																	
Digital cable TV revenues																	
Analog cable TV subs revs																	
Cable TV revenues																	



		Qa	tar	pa	ıy İ	ΓV	for	ec	ast	S							
	2010	2011						2017		2019	2020	2021	2022	2023	2024	2025	2026
Stand-alone IPTV revenues																	
Dual-play IPTV revenues																	
Triple-play IPTV revenues																	
IPTV subscription revenues																	
IPTV on-demand revenues																	
IPTV revenues																	
Satellite TV subscription revs																	
Satellite TV on-demand revs																	
Satellite TV revenues																	
DTT subscription revs																	
DTT on-demand revenues																	
DTT revenues																	
Subscription revenues																	
On-demand revenues																	
Total revenues																	
Average Revenue Per User (ARPU	- US	\$)															
Stand-alone digital cable subs		Ψ,															
Dual-play digital cable TV subs																	
Triple-play digital cable TV subs																	
Ave digital cable (subs & VOD)																	
Analog cable TV subs																	
Stand-alone IPTV subs																	
Dual-play IPTV subs																	
Triple-play IPTV subs																	
Average IPTV (subs and VOD)																	
Pay Satellite TV (subs)																	
Pay Satellite TV (subs and PPV)																	
Pay DTT (subs)																	
Pay DTT (subs and PPV)																	
Average monthly ARPU																	
Pay TV subscribers by operator (0	00)																
belN (satellite)																	
OSN (satellite)																	
Ooredoo (IPTV)																	
Others																	
Share of pay TV subs by operator	%																
belN (satellite)																	
OSN (satellite)																	
Ooredoo (IPTV)																	
Others																	



Qatar pay TV forecasts																	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Subscription & VOD revenues (US\$	\$ mill	ion)															
belN (satellite)																	
OSN (satellite)																	
Ooredoo (IPTV)																	
Others																	
Share of pay TV revenues by opera	ator 9	%															
belN (satellite)																	
OSN (satellite)																	
Ooredoo (IPTV)																	
Others																	
Average Revenue Per User (ARPU	- US	\$)															
belN (satellite)																	
OSN (satellite)																	
Ooredoo (IPTV)																	



	Digital TV Research publication	schedule	for 2021
	Title	Publication	Price
1	Africa Pay TV Forecasts	January	£1200/€1320/\$1440
2	Africa OTT TV and Video Forecasts	January	£1200/€1320/\$1440
3	Middle East & North Africa Pay TV Forecasts	January	£1200/€1320/\$1440
4	Middle East & North Africa OTT TV and Video	February	£1200/€1320/\$1440
	<u>Forecasts</u>		
5	SVOD Platform Forecasts Update	February	£800/€880/\$960
6	North America Pay TV Forecasts	February	£600/€660/\$720
7	North America OTT TV and Video Forecasts	February	£600/€660/\$720
8	Latin America Pay TV Forecasts	March	£1200/€1320/\$1440
9	Latin America OTT TV and Video Forecasts	March	£1200/€1320/\$1440
10	Asia Pacific Pay TV Forecasts	March	£1200/€1320/\$1440
11	Asia Pacific OTT TV and Video Forecasts	March	£1200/€1320/\$1440
12	Eastern Europe Pay TV Forecasts	April	£1200/€1320/\$1440
13	Eastern Europe OTT TV and Video Forecasts	April	£1200/€1320/\$1440
14	Western Europe Pay TV Forecasts	April	£1200/€1320/\$1440
15	Western Europe OTT TV and Video Forecasts	April	£1200/€1320/\$1440
16	Global OTT TV & Video Forecasts	May	£1800/€1980/\$2160
17	Global SVOD Forecasts	May	£1600/€1760/\$1920
18	Global Pay TV Subscriber Forecasts	May	£1600/€1760/\$1920
19	Global Pay TV Revenue Forecasts	May	£1600/€1760/\$1920
20	Global Pay TV Operator Forecasts	June	£1600/€1760/\$1920
21	Global AVOD Forecasts	June	£1600/€1760/\$1920
22	Africa SVOD Forecasts	August	£1000/€1200/\$1300
23	Middle East & North Africa SVOD Forecasts	August	£1000/€1200/\$1300
24	Asia Pacific SVOD Forecasts	August	£1000/€1200/\$1300
25	Latin America SVOD Forecasts	September	£1000/€1200/\$1300
26	North America SVOD Forecasts	September	£500/€600/\$650
27	Eastern Europe SVOD Forecasts	September	£1000/€1200/\$1300
28	Western Europe SVOD Forecasts	October	£1000/€1200/\$1300
29	SVOD Forecasts Update	October	£1600/€1760/\$1920
30	Pay TV Forecasts Update	November	£1600/€1760/\$1920
31	SVOD Platform Forecasts Update	December	£800/€880/\$960

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