



# Amino's IPTV Deployment at Chhatrapati Shivaji Maharaj International Airport

## Project Overview

Chhatrapati Shivaji Maharaj International Airport, located in Mumbai, India, is the second-largest international airport in the country - handling around 45 million passengers through Terminal 2 in 2022. The airport provides travellers with high-quality television and communications services across various locations within the terminal, including public areas, food courts, lounges and offices of agencies. When the terminal opened in 2014, Communetiques was responsible for providing all television services at Terminal 2.

## Project Requirements

<b>1</b> Provide 24/7 television services across public areas, food courts, lounges and offices within Terminal 2.	<b>2</b> Deploy a reliable IPTV system capable of achieving 99.9% Service Level Agreement in a demanding airport environment.	<b>3</b> Upgrade to 4K capabilities with simplified installation and reduced maintenance costs for long-term operations.	<b>4</b> Support silent airport concept with comprehensive video standards and multi-language subtitles without audio.
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## Amino's Solution

Communetiques' chosen deployment included a 100-channel IPTV Headend and the installation of 150 Amino A140 boxes connected to 65" HD TVs, extending to a 120-room transit hotel within the terminal complex and marking the first major IPTV deployment in India.



The Amino H200 was chosen for its 4K capabilities and Power over Ethernet (PoE) feature, which simplifies installation requiring only a single ethernet cable.



Communetiques developed an HTML/JavaScript middleware running in the browser included with the H200 firmware, integrated with their PAX TV system designed for transport hubs.



The H200's support for the latest HTML/JavaScript standards, comprehensive API documentation and code samples greatly simplified integration into other business systems.

## Key Benefits

The transition to Amino's solution has delivered exceptional reliability and operational efficiency:

**1**

System achieved 99.9% Service Level Agreement over ten years of 24/7 operation.

**2**

Single ethernet cable connection simplifies infrastructure requirements.

**3**

Power over Ethernet feature reduces installation time and maintenance costs.

**4**

Only 10 boxes replaced over a decade, with all but one replacement due to electrical surges or physical damage.

**5**

4K upgrade aligns with environmental sustainability by reducing CO2 emissions.

**6**

Flexible multi-purpose displays can transform into emergency evacuation screens in multiple languages.

## Customer Testimonial

"Building our PAX TV around the Amino H200 device was an obvious strategic decision as it meets key requirements for 4K video and out-of-sight operations and can provide service level assurance of 99.9%. Its technical specifications are ideal for all types of public transportation venues."

**Milind Kulkarni, CEO, Communetiques Mumbai International Airport**

## Key Highlights

Amino easily integrated with Communetiques' new middleware, PAX TV, which is specifically designed for transport hubs and meets the requirements of today's 'Silent Airports' concept. Since there is no audio, Amino's comprehensive support for video standards and multi-language subtitles was essential and differentiated the H200 from many other enterprise video media players on the market.



### Emergency Flexibility

Displays can transform into flashing warning screens in multiple languages indicating nearest evacuation exits using easy-to-understand graphics.



### Automated Announcements

Innovative AI technology implements Text to Speech, enabling messages about flight delays or cancellations to be automatically played in realistic voices.



### Live Broadcasting

Displays can live broadcast local events held at the airport during festivals like Diwali and New Year directly to screens.

## Conclusion

In the fast-paced world of digital media, Amino has achieved a significant milestone by securing the BIS Certification for their Amino H200 media players, a crucial step for market compliance in India. This certification paves the way for the H200's integration into the burgeoning Indian Enterprise IPTV Market. The case study showcases the Amino H200's successful deployment at a major international airport, underlining the device's reliability and advanced capabilities and setting the stage for future installations at other airports.



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