



**ROBOMASTER**

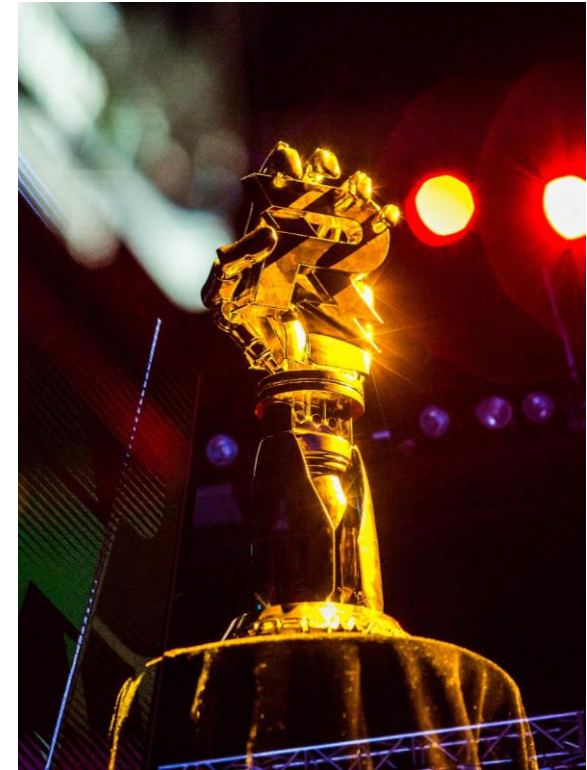
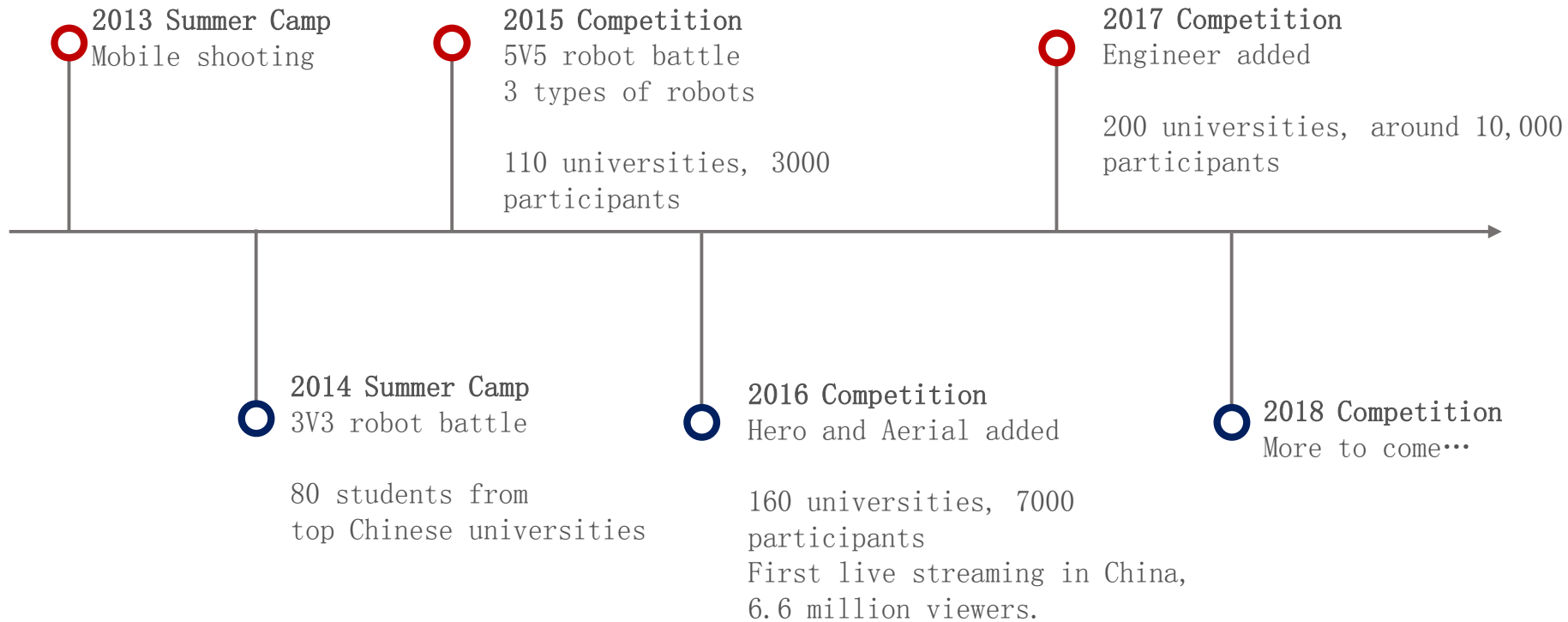
**机甲大师**

# Competition Overview

- An international collegiate robotics competition based in Shenzhen, China
- Exclusively planned and operated by *DJI*
- Objectives:
  - To provide engineers a stage to demonstrate their talents while inspiring individuals or groups who have passion in science and engineering;
  - To promote the development of robotics education and robotics research.



# Competition Overview



# Advanced Robotics Battle

## The Robot Squad

Teams develop their own squad of robots

Characters: Hero, Standard, Engineer, Aerial, Sentry and Supplier

## Rules of Engagement

Robots are equipped with projectile turrets

Projectile Types: plastic ball(17 mm / 0.67" ), golf ball (42 mm, 1.68" )

Pressure sensors detect hits and deduct Hit Points (HP) accordingly.

Robots shut down when HP is zero

The game is won when the a base is destroyed.



VS





# The Most Influential Robotics Competition in China

RoboMaster 2015~RoboMaster 2017

Regional competitions in 10 cities

Over 400 teams

More than 20,000 students has competed

Over 30,000,000 online viewers

DJI has invested around \$ 16 million



# RoboMaster 2017: International Participants



Nanyang Technological University



University of Washington



University of Alberta



Virginia Polytechnic Institute and State University



University of Koblenz and Landau



Monash University



University of Louisville

# Spectator Sport



Final Tournament 2017, Shenzhen



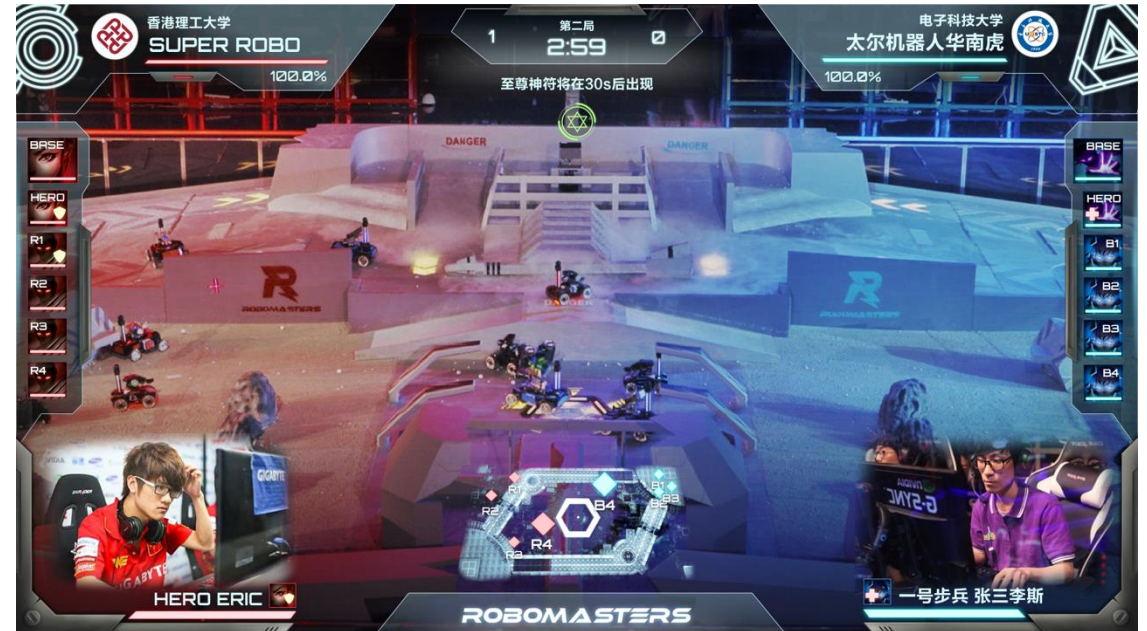
Robots in battle



# Game Presentation



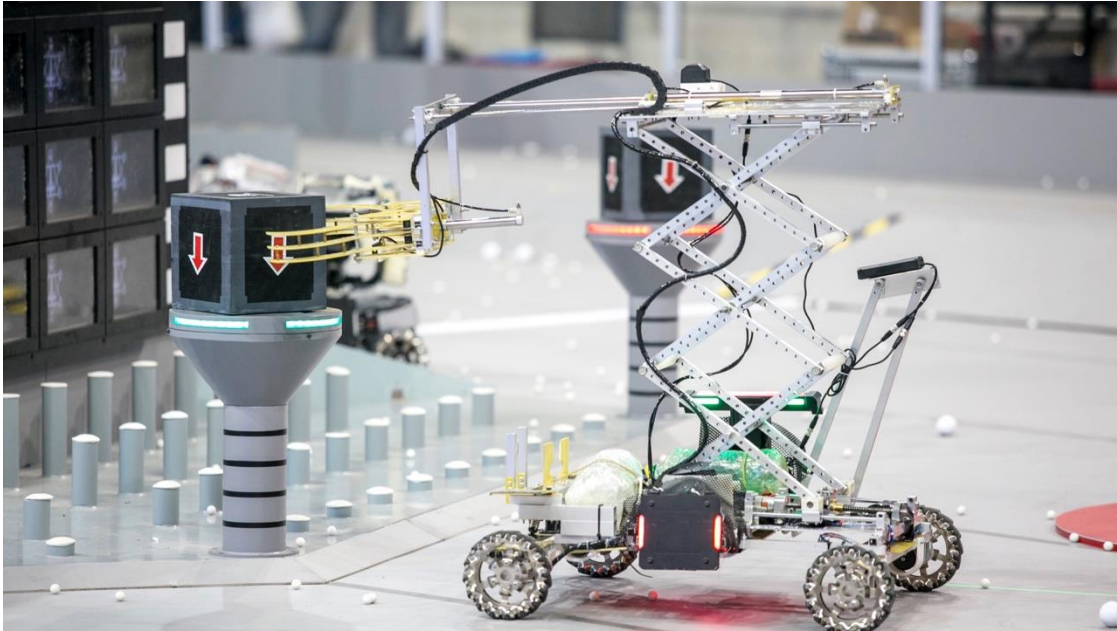
FPS game interface for operators



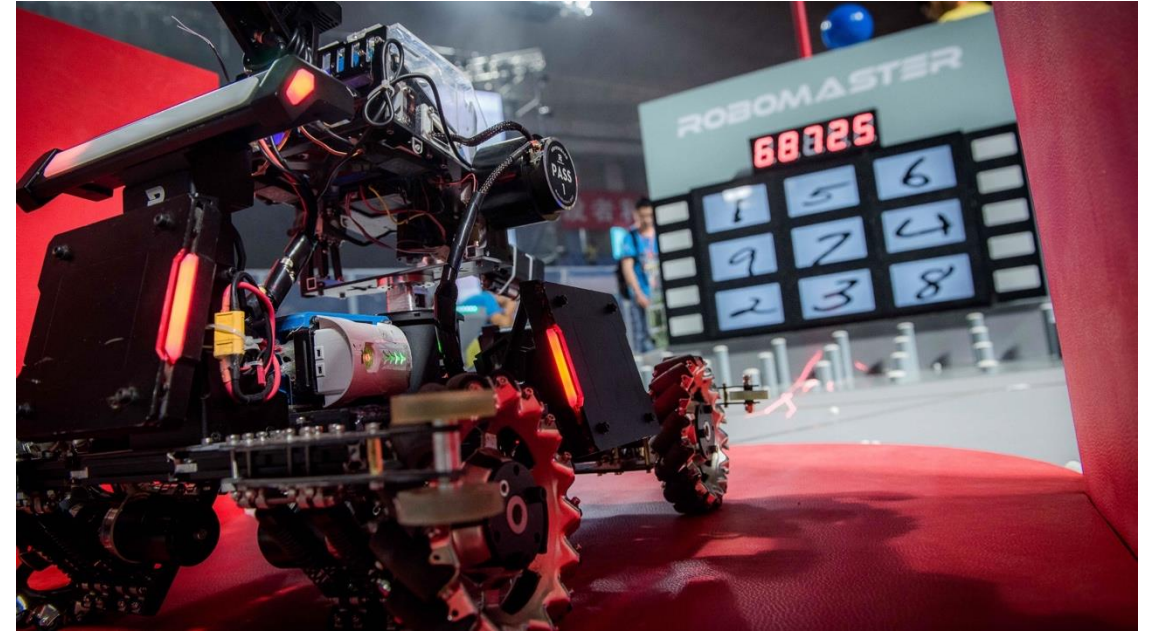
Live broadcast HUD



# Technical Challenges



Object Manipulation



Pattern Recognition

# Wide International Appeal

726

Online Media Coverage in 2017

168,000

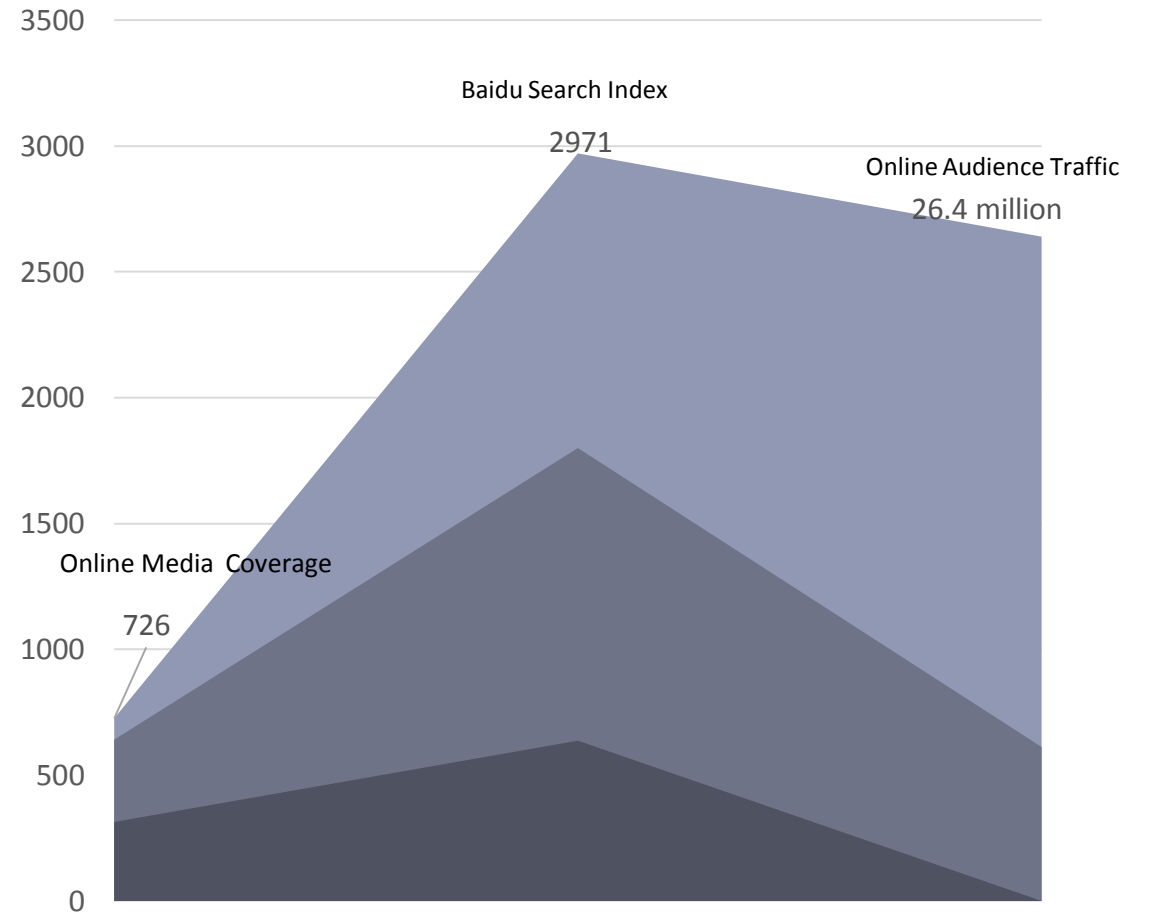
Peak Audience during the  
2017 Final Tournament

17,177,000

Total Audience  
during 2017 Final  
Tournament

9,222,000

Total Audience  
during 2017  
Regionals



# 2018 Competition Schedule

Middle Regional  
May, 2018

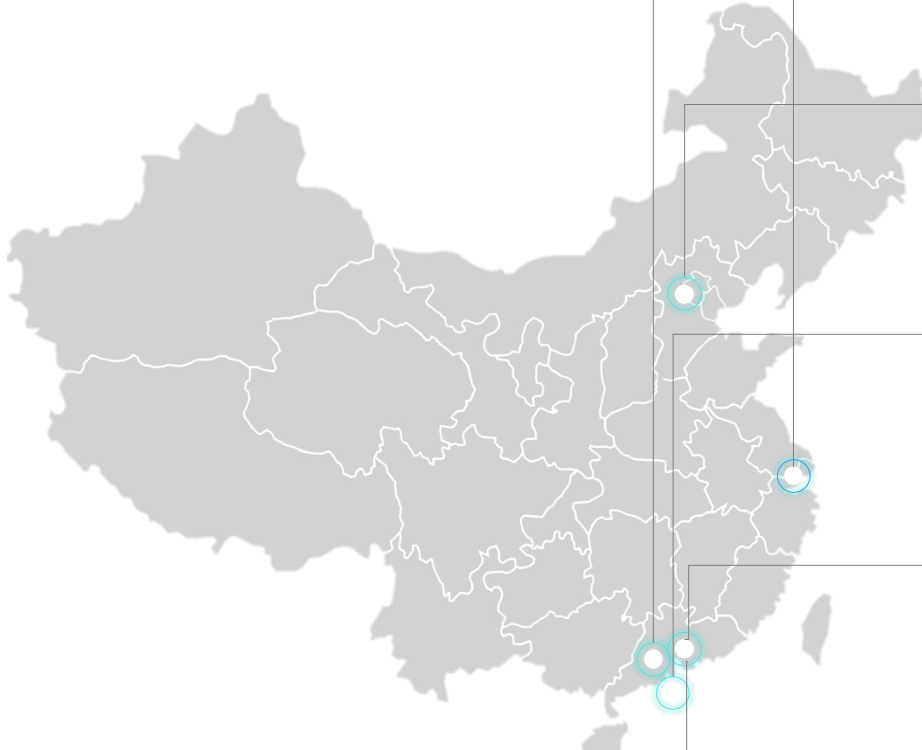
Southern Regional  
May, 2018

Northern Regional  
May, 2018

International Regional  
July, 2018

Wild-card  
July - August, 2018  
Shenzhen

**Final Tournament**  
July - August, 2018  
Shenzhen





# RoboMaster2018 International Teams

Application Period: Sep. 25, 2017 - Nov. 20, 2017

DJI Sponsorship For International Teams:

NO.	DETAILS
1	New teams: Two standard robots, \$1,500 worth of DJI components for free
2	Returning teams:\$1,500worth of DJI components for free
3	Free shipping with all purchased DJI items, no sale tax
4	Reimbursed transportation expenses during stay in Shenzhen (together up to ¥3,000)
5	Free accommodation at college dormitories
6	International travel reimbursement fully covers up to 6 team members
7	DJI coordinators and technical support personnel provided
8	Extra inspection time before each game. Warm up games before the competition
9	Internship opportunities at DJI
10	International networking event. Field trip to technology companies in Shenzhen after the competition



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